

PITTSFORD RECREATION DEPARTMENT  
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**DETAILED SPECIFICATIONS FOR  
DIESEL POWERED COMPACT UTILITY TRACTOR  
MID MOUNT MOWER AND LOADER**

**February 14, 2018**

**1. GENERAL:**

It is the purpose and intent of these specifications to describe a standard production model, diesel powered 2 & 4-wheel drive, compact utility tractor to be used as a lawn mower and general maintenance machine at the Pittsford Recreation Area.

The unit shall conform to the high standards of strength, quality and workmanship that are provided in general by the tractor manufacturing industry. All parts, not specifically mentioned, which are necessary to provide a complete ready to work machine or are listed as standard equipment and not superseded by optional equipment in these specifications, shall be provided by the successful bidder.

All ratings shall conform to OSHA, ASAE, & SAE standards. All units will be completely serviced by the successful bidder prior to delivery to the Pittsford Recreation Department.

Note: Unit will be selected from the manufacture's standard colors. Only "Lead Free" paints will be used.

**2. MODEL:**

Compact utility tractor will be a current production model at time of delivery. Machine will have 2018 or newer manufacture date. Certificates of Origin will be provided to the Pittsford Recreation Department at the time of delivery.

**3. TYPE and USAGE:**

Compact utility tractor will be used for mowing, pulling landscape rake, field maintenance, hauling of light materials, and spreading topsoil, infield clay, sand, and gravel.

**4. ENGINE:**

3-Cylinder Diesel minimum 25.5 horsepower, SAE rated liquid-cooled. Will be equipped with a cold weather start package, dry type air filter, sound suppressant under hood muffler, and protected to minus 35 degrees with **Texaco Extended Life Coolant Antifreeze**, or the equivalent. Unit will have at least dash warning lights to immediately alert the operator of high water temperatures and low oil pressure.

**5. TRANSMISSION:**

Hydrostatic High-Low range – forward and reverse. 2WD and 4WD selections

**6. POWER TAKE OFF:**

Machine must be equipped with a live independent, hydraulic clutch

Should include Mid and Rear PTO take offs.

**7. TIRES:**

Front-23x8.50-12[turf], Rear-33x12.5-15[turf]. Rear Tires will be loaded.

**8. STEERING:**

Full power steering

**9. BRAKES:**

Multi-Plate Wet disk

**10. ELECTRICAL:**

12 volt system preferred. Alternator shall be 20-amp capacity minimum.

**11. LIGHTS:**

Unit shall be equipped with two sealed beam headlights in the front and two tail and directional lights with 4-way flasher option in the rear.

**12. OPERATOR STATION:**

Full ROPS (MUST BE FOLDABLE TYPE) that meets OSHA, ASAE, and SAE standards.

Operator Presence System that accounts for the operator being seated when starting.

Seat will be a comfortable suspension seat that must easily adjust forward and back with retractable seatbelts.

Heavy-duty, non-slip, all-weather floor mat.

**13. QUICK CHANGE MATERIAL BUCKET:**

- A. BUCKET PIN-ON width size will be 50" wide
- B. Lift capacity at Full Height (19.7 forward) will be at least 659 lbs.
- C. Breakout Force (19.7 forward) at bucket will be at least 1521 lbs.
- D. Bucket Clearance when dumped will be at least 61.7"
- E. Loader will have single joy stick Kubota type controls

**14. HYDRAULICS:**

Tractor shall have dual hydraulic pumps with a total pump output of at least 8.3 gpm.

3-point hitch will be a Category 1.

Lift capacity @ 24" behind the LP will be no less than 1411 lbs.

**15. OPERATING WEIGHT:**

No less than 1632 lbs.

**16. MISCELLANEOUS EQUIPMENT:**

Unit will have the following dashboard instrumentation gauges (preferred) or warning lights for

- A. Engine oil pressure
- B. Amp or volt meter
- C. Engine hour meter (electrical, real time)
- D. Fuel Gauge
- E. Directional lights (optional)
- F. Slow moving vehicle emblem and bracket
- G. Operator's Manual for the machine
- H. One (1) parts, shop, and service manual for the machine

**17. MID-MOUNT MOWER: (should be included as part of original bid)**

Mower must meet the following specifications:

- A. Side discharge type mower
- B. No less than a 60" cutting width
- C. Adjustable cutting heights between 1"-4"
- D. A minimum of 3 cutting blades
- E. Must be compatible with loader
- F. Transport height of deck must be at least 4"

**18. WARRANTY:**

A one year (1) year “No-Cost” warranty covering the entire machine except expendables such as filters, belts, and lubricants. Warranty includes required transportation of the compact utility tractor and service vehicles. No travel costs will be paid. Unit will be repaired within three (3) working days or a replacement unit will be provided at the Vendor’s expense including transportation.

Copies of all warranties offered in this bid, manufacturer or vendor, will be provided with the bid and clearly state the terms and restrictions imposed.

If the manufacturer’s written warranty does not clearly comply with the requirements of these specifications, a letter from the manufacturer must be included stating that the manufacturer will back this warranty in the event at a change of owners of the dealership.

The Vendor will perform a complete inspection and annual P.M. servicing at one year and just prior to the expiration of the warranty. The Recreation Department will be provided copies of all warranty repairs and the P.M. servicing.

**19. TRAINING:**

At a time mutually agreed to within thirty (30) days of the machine being placed into service an eight (8) hour block of instruction will be given to operators, mechanics, and supervisors at the Pittsford Recreation Area. Training will cover safety, operation and preventative and field maintenance. Instruction will be both lecture and hands on operation.

The trainer will provide a written statement that the Town employees have successfully completed the required training, and have demonstrated that they can safely operate the machine, and its attachments, in basic mowing, grading, and loading operations.

**Topics to be covered are:**

- Safety features and safe operation.
- Lubrication points and “A” level service items.
- Proper shifting methods.
- Proper use of all vehicle controls.
- Mowing and loading operations.
- Use of landscape rake and other attachments.
- Maintenance items and potential problems the operator and maintainer should be aware of.

**20. OPTIONS:**

Bidders are requested to provide the unit prices for the options/attachments listed. If included in the cost as standard equipment state "Incl."

- A. One (1) year warranty extension. Compact Tractor will have less than 500 hours at the end of the extended warranty period.

**21. ACCEPTABLE COMPACT TRACTOR:**

The following is eligible to bid under these specifications. All other units must be demonstrated prior to purchase award.

- Kubota B2601 HSD