INSTRUCTIONS TO BIDDERS

1. TENDERS
   (a) Envelopes containing the Tender are to be clearly marked as follows:

   “Tender for the Supply and Delivery of One (1) 2019 or Newer Single Axle Plow Truck equipped with Snow Clearing Equipment”

   Addressed to: Town Manager
   Town of Fogo Island
   Site 5, Unit 2, Box 2
   Fogo Island Central, NL A0G 2X0

   (b) The Tender must be sealed in an envelope and must be hand delivered or couriered to the address above. Oral, regular fail, telephoned, faxed or emailed Tenders will be rejected unless otherwise indicated in an addendum.

   (c) Tenders are to be delivered no later than 3:00pm, March 14, 2019 ("Tender Closing Time"). Tenders received after that time will not be considered.

   (d) The Form of Agreement is included in the Contract Documents at the time of tendering for the purpose of information to Bidders and shall not be completed at the Time of Tendering.

   (e) Before submitting a Tender, Bidders shall carefully examine the Tender Documents and fully inform themselves of the conditions and limitations. No subsequent allowance under the Tender Documents will be considered for any Bidder who failed to become familiar with all aspects of the tender.

   (f) Tenders will be opened in a Regular Meeting of Council or such later date as determined by the Town and indicated to Bidders by way of addendum ("Tender Opening").

   (g) The Town of Fogo Island (the “Town”) will not reimburse any Bidder for any expenses incurred in the preparation and submission of its Tender.

2. TENDER DOCUMENTS
   (a) The Tender Documents consist of the following:

      (i) Instructions to Bidders
      (ii) Tender Form I – General Specifications;
      (iii) Tender Form II – Tender Requirement Specifications
      (iv) Tender Specification List
      (v) Tender Form III – Bid Submission Form;
      (vi) Town of Fogo Island General Terms and Conditions; and
      (vii) Any schedules and/or exhibits and/or annexes and any amendments to the Tender Documents issued during the Tender period.

   (b) Should the Bidder find, during the examination of Tender Documents, omissions or conflicts in, or among, the Tender Documents, or be in doubt as to their meaning, the Bidder shall submit questions to the Town of Fogo Island by electronic mail sent to publicworks@townoffogoisland.ca at least 72 hours prior
to the Tender Closing Time. The Town will review the questions and, where information sought is not clearly indicated or specified, will issue a clarifying addendum, which shall become part of the Tender Documents.

3. COMPLETION OF TENDER FORMS
   (a) The Bidder shall fill in all applicable spaces in the attached Tender Forms and shall have the Tender Forms executed by properly designated signing officers of the Company or Firm.
   (b) The Bidder shall express its price or fees so as to separately identify (i) the price or fees excluding applicable taxes or duties and (ii) the amount of all applicable taxes or duties, including HST. Failure to do so will be sufficient grounds for rejection.
   (c) The Bidder shall type or legibly print the information required on the Tender Form.

4. INSURANCE AND LICENCES
   (a) Bidders must provide, upon delivery of the vehicles, proof that all vehicles have been inspected and are licensed by the proper authority.

5. UNACCEPTABLE TENDERS
   (a) Tenders not submitted on the Tender Form provided may be rejected.
   (b) Tenders received after the Tender Closing Time shall be rejected.
   (c) Tenders not accompanied by an approved security in the correct amount shall be rejected.
   (d) Tenders containing qualifications or additional clauses to the Tender Form shall be rejected.
   (e) Tenders which are incomplete, or which have been altered in any way, may be rejected.
   (f) Tenders not accompanied by all required documents may be rejected.
   (g) Incorrectly prepared Tenders may be rejected.

6. AMENDMENTS TO TENDER
   Properly documented amendments to the Tender will be permitted up to the Tender Closing Time. Amendments documented by facsimile will be acceptable.

7. WITHDRAWAL OF TENDERS
   Bids may be withdrawn without penalty if request by email or facsimile is received prior to the Tender Closing Time.
8. ACCEPTANCE OF TENDER

(a) All Tenders shall be valid for acceptance for ten days (10) days from the date of Tender Opening.

(b) The Town does not bind itself to accept the lowest or any Tender.

(c) The Town may seek clarification from, and verify any or all information provided by, a Bidder in its Tender.

(d) The Town may allow a Bidder to correct obvious mistakes in its Tender.

(e) Upon the written acceptance by the Town of a Tender (the “Letter of Acceptance”), and receipt by the Town of all documentation required to be provided by the Bidder, the Letter of Acceptance, together with the Tender, shall constitute a contract binding on both parties. The Contractor will then be required to execute the Services Agreement.

(f) The Town reserves the right to accept a non-compliant bid.

9. CANCELLATION OF TENDER

The Town reserves the right to cancel the call for Tenders at any stage of the tendering process, including prior to the Tender Closing Date or after the Tender Opening.
This specification lists only the major details of an integrated Single Axle Truck with Snow Clearing Equipment, therefore, it is the supplier’s responsibility to deliver a fully equipped vehicle with compatible components to provide dependable, efficient service.

Where minimums are called for, the vehicle must meet or exceed the capacity, size or performance specified.

Vehicles shall meet or surpass the mandatory requirements of the “Canadian Motor Vehicle Safety Regulation” amended and must bear the National Safety Mark, outlined in those regulations.

The unit shall be supplied with all standard equipment, plus all other equipment specified, if not standard. Other equipment must equal or exceed original equipment specifications.

The integrated Cab and Chassis Single Axle Truck with Snow Clearing Equipment under this specification shall be the manufacturer’s latest model standard commercial product and shall have demonstrated industry acceptance by having been manufactured and sold in significant numbers to Canadian Municipalities and shall have been proven in service for the application for at least five full years prior to issuing of this tender document.

A demonstration of equipment bid will be required, and it will be the responsibility of the bidder to arrange this demonstration at the Municipality’s location within 10 working days of written notification, all equipment demonstrated will be the exact models offered by the bidder on this tender document.

Where references are requested in this tender document the information must be completed in full and all reference supplied are to be for the models of equipment offered by the bidder in the answered specification.

All requests for changes to the original document must be made by submitting a separate detailed specification summary. If the change is approved, the Town will indicate its approval by way of an addendum. The request must be made a minimum of 72 hours prior to the Tender Closing Time.

Items noted in the specification as **shall be, will be, to be, must be, maximum and/or minimum** are mandatory requirements, no deviations will be accepted.

*Any modifications and/or alterations made by the bidder to this tender document will result in disqualification of the bidder’s submission.*
The design and operation must incorporate safety devices and attachments necessary to ensure that the equipment provided is capable of being operated with maximum safety.

Yes ☐ No ☐

The Town reserves the right to inspect the equipment at any stage of manufacturing and/or installation of equipment on to the truck chassis and to have any deviations corrected upon request. A final inspection will be completed by the Town at the time of delivery.

Yes ☐ No ☐

State address of facility where the cab, chassis bid will be manufactured.

Contact:______________
Street:______________
City: ______________
Province: __________

State address of facility where the dump body, snow and ice control equipment bid will be manufactured.

Contact:______________
Street:______________
City: ______________
Province: __________

State address of facility where the snow and ice control equipment bid will be installed.

Contact:______________
Street:______________
City: ______________
Province: __________

O.E.M. spare replacement parts must be stocked in inventory by the successful bidder in sufficient quantity to provide adequate product support and to ensure timely delivery of spare parts orders and if requested, the bidder must be able to provide supporting documentation.

Yes ☐ No ☐

Warranty coverage will be for a minimum of one year from the date of delivery on the truck Chassis and Cab and all related components, as well as, workmanship of the above noted components.

Yes ☐ No ☐

An Extended Comprehensive Warranty shall also be provided on Engine, Transmission and Rear Axle for a period of five (5) years and 150,000 kilometers, which includes After Treatment Extended Coverage.

Yes ☐ No ☐

One complete copy of an operation, parts and service manual will be provided for each unit. Electrical schematics and applicable hydraulic schematics shall be included with the parts and service manuals. Also, with the engine manuals, the Town requires detailed information on the engine electronic controls, wiring diagrams and trouble-shooting procedures. Component locator, diagnostic software and diagnostic manuals must be provided.

Yes ☐ No ☐
It is a requirement of this tender that the bidder provides an after-sales service facility (within 200km of the Town) which employs staff qualified to perform after sales service work and are also capable of providing mobile field service at our location, the bidder if requested, must be prepared to provide a tour of the facility(s).

Yes ☐ No ☐

Contact: ____________
Facility: ____________
Street: ____________
City/Town ____________

Bidders shall quote on the attached Bid Submission Form for one (1) complete units. Where there is a question of general interpretation of the specifications, terms and conditions, the decision of the Town shall be final.

Yes ☐ No ☐

The warranty period given by the vendor will be taken into consideration before awarding the Tender. The Bidder shall attach a copy of the equipment warranty to its Tender bid. **Failure to attach the warranty may invalidate the Tender submission. Bidder to state the terms, conditions and length of warranty.** Warranty requested by the Town is to be provided as stated, no exceptions or exclusions to the warranty will be accepted. Include as an option, if applicable, terms, coverage and price including taxes of optional warranty.

Yes ☐ No ☐
**TENDER FORM II – DELIVERY REQUIREMENT SPECIFICATION**

**NOTE:** This Form Must be Completed by all Bidders and Returned with the Tender.

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>COMPLY</th>
<th>DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>Successful bidders are advised that the unit shall be delivered according</td>
<td>______</td>
<td>___________________________</td>
</tr>
<tr>
<td>to the following terms and within the following time periods.</td>
<td>______</td>
<td>___________________________</td>
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<tr>
<td>Machinery covered by this tender and/or subsequent purchase order to be</td>
<td>______</td>
<td>___________________________</td>
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<tr>
<td>delivered to the Town of Fogo Island facility.</td>
<td>______</td>
<td>___________________________</td>
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<tr>
<td>Equipment on this tender shall be new (either current calendar year or</td>
<td>______</td>
<td>___________________________</td>
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<tr>
<td>newer model year)</td>
<td>______</td>
<td>___________________________</td>
</tr>
<tr>
<td>No bonus will be assessed for completing the delivery of the equipment</td>
<td>______</td>
<td>___________________________</td>
</tr>
<tr>
<td>before the given completion date.</td>
<td>______</td>
<td>___________________________</td>
</tr>
</tbody>
</table>

**Illegal or Unethical Conduct**

Bidders shall not engage in any illegal business practices, including activities such as bid rigging, price-fixing, bribery, fraud or collusion. Bidders shall not engage in any unethical conduct, including lobbying or other inappropriate communications, offering gifts to elected officials, employees, officers or other representatives of the Town, deceitfulness, submitting bids containing misrepresentations or other misleading or inaccurate information, or any other conduct that compromises or may be seen to compromise the competitive process provided for in this Invitation to tender.

**Authorized Company Representative**

__________________________________________________________

Signature

_________ ______________________________

Date
REQUIRED

| Any deviations from specifications must be shown in this column. |
| If no deviations are shown, it will be considered that equipment bid upon meets or exceeds specifications called for. |
| Any equipment supplied against the tender is subject to inspection upon receipt and could be rejected and returned if specifications are not met completely. |

**TRUCK CHASSIS:**

1. Cab to Axle Dimension – to be determined by supplier
   State dimension from back of cab to the first rear tire. __________________________

2. Wheel Base – to be determined by supplier
   State Wheelbase __________________________

**NOTE:** Wheel base to be optimized to accommodate the shortest possible turning radius to facilitate sanding/plowing operations in cul-de-sacs.

3. Gross vehicle weight shall be a minimum of 43,000 lbs. __________________________

4. Front axle capacity a minimum of 20,000 lbs., c/w shock absorbers Front axle to be set back from normal in order to obtain a more equitable weight distribution when loaded and to accommodate a shorter turning radius to facilitate sanding/plowing operations in cul-de-sacs __________________________

5. Rear axle capacity a minimum of 25,000 lbs with 54” spread. __________________________

6. Rear axles to be equipped with driver controlled full locking rear differentials. __________________________

7. Rear axles shall be single speed type with optimal gear ratio for operating on steep grades while plowing snow and carrying a full load of road salt __________________________

**NOTE:** The Town shall approve the gear ratio and have the option to change the gear ratio prior to ordering at no additional charge if necessary.

8. Rear axles to be equipped with min. 25,000 lb Heavy Duty Spring Suspension Rear suspension shall be “High Mount”. The rear tires must not exceed the chassis frame rail height. __________________________

9. The chassis shall be equipped with a minimum 15.0 CFM compressor and full air brake (Linings to be asbestos free). Front brake size: 16.5” x 6” minimum. __________________________

97798.v1
10. Low pressure warning alarm required c/w an air pressure protection valve to ensure air pressure priority for the truck air brake system.

11. Drain valves on all air tanks with actuating cords extended for easy access to operator and clearly identified.

12. Piggy back spring loaded park brake shall be supplied c/w anchor lock chambers and Bendix automatic slack adjusters, or pre-approved equal, non-asbestos linings. Park brake control to be located in centre of dashboard and be conveniently accessible.

13. Steering shall be full power equipped


15. Stemco type seals or equivalent shall be installed on front and rear axles

16. Truck shall come equipped with one Step-type fuel tanks. Minimum capacity of tank shall be 70 imperial gallons. Fuel tank shall not protrude beyond rear of cab.

17. Bendix AD-9 or equivalent air dryer shall be supplied for the air brake system.

18. Tires and wheels:

   **Rear:** 16 ply – 11R x 22.5 Snow Grip Bridgestone M844F or Bridgestone W919 Or “pre-approved equal” c/w HD steel disc wheels with 8.5” rims (Hub Piloted). Size of tires and wheels to meet or exceed the maximum axle GAWR.

   **Front:** 20 ply – 425-65R x 22.5 Bridgestone M844F or Bridgestone W919 tubeless Radials, or “pre-approved equal”, c/w HD steel disc wheels with 12.25” rims (Hub Piloted). Size of tires and wheels to meet or exceed the maximum axle GAWR.

   **Spares:** Two spare wheels and tires are to be provided as follows:

   - one to match front wheel and tire
   - one to match rear wheel and tire
All wheels to be equipped with Fluorescent Green “wheel checks” on each wheel lug prior to delivery.

19. Truck chassis must be double Channel frame all the way with Approximately 20” – 24” integral frame extension as needed.

20. Chassis to be equipped with Two tow hooks at the front and two tow hooks at the rear for a total of four unobstructed tow hooks.

21. Chassis to be equipped with heavy duty shock absorbers

22. Truck to be equipped with Groeneveld automatic greasing system or “pre-approved equal”.

23. Truck chassis to be equipped with front hitch for blade. Hitch to be attached to allow bonnet and fenders to tilt forward easily to its maximum position for daily inspection.

24. Truck driveline and inter-axle driveline to be Spicer heavy duty, or pre-approved equal, complete with lifetime sealed and lubricated joints designed to meet severe duty applications, i.e. snow clearing operations, etc.

TRUCK CAB:

1. Full cab with fiberglass tilt bonnet and fenders stationary grill. Fenders to be outfitted with a minimum 5” flexible full coverage rubber fender extension around the entire wheel opening.

2. Driver’s seat shall be premium quality air suspension type with multiple adjustments for height, suspension and back support and high quality cloth construction.

3. Passenger’s seat shall be non-suspension type matching the driver’s seat and be able to seat one person.

4. Cab shall be equipped with Air Ride suspension
5. Cab shall be equipped with heavy-duty rubber floor mats conforming to the truck floor.

6. Cab shall be equipped with driver and passenger sun visors.

7. Cab shall be equipped with driver and passenger armrests.

8. Cab shall be equipped with electric, variable speed, intermittent wipers c/w arctic blades and wash system having the largest available fluid reservoir option.

9. Cab shall be equipped with dual, lighted, heated, power, adjustable, stainless steel, breakaway style westcoast mirrors, size in range of 6”x16”.

10. Extra heated mirrors must be installed on driver and passenger side below westcoast mirror so driver can see spinner and passenger’s side blind spot. Mirrors to be approximately 8” convex type.

11. Cab shall be equipped with a heated mirror mounted to the front passenger side of the hood. Final location of this mirror to be approved by the Town.

12. Cab shall be equipped with driver and passenger grab handles.

13. Cab shall be equipped with a 3 speed heater/defroster and air conditioner.

14. Cab shall be equipped with a quiet custom interior package with heavy duty insulation.

15. Cab shall be equipped with dual air horns and snow shields.

16. Cab shall be equipped with AM/FM CD Radio.

17. Cab instruments shall include the following:
Tachometer, speedometer and odometer, voltage meter or ammeter, oil pressure gauge, coolant temperature gauge, transmission temperature gauge, air pressure gauge, fuel gauge, road surface temperature display and key start switch.
18. Cab shall be equipped with two sets of seat belts and have lap and shoulder harnesses.

19. Cab shall be equipped with electric powered door windows that are operated by switches accessible from the driver’s seat.

20. Cab shall be equipped with adjustable tilt and telescoping steering column.

21. Right cab door to be equipped with a lower blind spot view safety window or a look down heated mirror is to be installed if first option isn’t available.

22. Cab to have suitable means of access and egress by means of appropriate steps and grab handles to allow three-point entry and exit.

23. Cab to be supplied with electric powered door locks.

TRUCK ENGINE:

1. The engine shall be six (6) cylinder Diesel, wet sleeved fully re-buildable State Engine Model: __________

2. Horsepower (min): 350 HP State: _____ HP @ _____ RPM

3. Torque (min): 1000 ft-lbs State: _____ HP@ _____ RPM

4. Specific Engine Warranty

5. Engines must use DEF technology for emissions. Engines which require regeneration will not be considered to be compliant. DEF tank shall not protrude beyond rear of cab or to a minimum

6. The engine shall be equipped with:
   - dry element air cleaner
   - full flow replacement canister type oil filter
   - one block heater 9120V/1250W), installed
   - locking type hand throttle or an electronic,
programmable engine RPM system

- passenger side horizontal exhaust
  with horizontal muffler c/w heat shield
  and curved tailback spout or rain cap
  extended 6” above the cab box
  protector. Exhaust stack shall not
  protrude beyond rear of cab.

- heavy duty radiator

- Engine fan to be 2 speed clutch type or a
  modulating electronic controlled fan

- 3 Stage engine brake

- Low oil pressure – high coolant
  temperature engine shut-off
  or warning system.

- Intake Heater to be grid type or
  equivalent

7. The engine electrical system
   shall be 12 volts with a minimum
   145-amp brushless alternator, a
   minimum of 3 batteries having a
   minimum total 1950 CCA at zero
   (0) degrees F and a 320 minute
   Reserve capacity at 80 degrees F
   And heavy-duty electric start.

8. The engine shall be equipped
   with an Allison 3000 RDSP 5th
   Generation Series automatic six (6)
   speed transmission c/w Transynd
   Synthetic fluid. Transmission to be
   programmed for optimal shift
   performance for use in plowing
   and sanding operations.

9. The engine shall have anti-freeze
   protection to a −40 degrees C

10. Unit to come equipped with an
    external transmission oil cooler
    and filter

11. Engine and transmission oil base
    pans to be coated with epoxy paint
    (Glass Shield or equivalent if
    Applicable) Aluminum and composite
    material base pans will not require
    Glass Shield.
DUMP BOX:

1. Dump box to be combination use of conventional dump body for regular dump truck use and equipped as a sand/salt spreader with discharge on driver’s side. This shall be accomplished by having the passenger side of the body rise causing material to shift towards a floor mounted conveyor on the driver’s side.

2. Minimum dump box inside dimensions shall be:
   - length – approximately 144”
   - width – approximately 85”
   - height – approximately 38”

3. Dump box construction shall be 450 Hardox steel plate with a minimum plate thickness of 3/16” for front, side, tailgate and dump box floor.

4. All joints to be 100% welded

5. Pockets shall be provided on box sides for 2” thick extension boards to increase capacity by depth 8”

6. Dump box must have guides, hinges and safety props to allow body to be tipped to rear of truck and safety supported when empty.

7. Tailgate to be air operated by air cylinder

8. Dump box shall be supplied with side ladders on each side. Ladders to be 16” wide with upper handrails and have anti-slip rungs with bottom rung not more than 30” from ground.

9. Removable protective chain cover must be provided in side of unit to protect chain when not in use. Must be of heavier gauge steel than box or of same gauge but a higher tensile strength steel

10. The rear body hinge to have a minimum of 2” diameter pivot pins made from ss steel or stress proof chrome pins equipped with grease fittings.
11. Dump box to have tailgate spreader
Chains with a grab link.

12. Electronically operated tarp system
c/w heavy duty woven tarp.

13. Box shall be designed to prevent
Road spray and de-icing materials
from spraying onto cab and other
components.

14. Minimum box volume to be 10.5 cubic
yards (water level) and capable of 12
cubic yards with side boards.

15. Dump box shall have minimum 24 inch
back of cab protection of a minimum 10 ga

16. Dump box fabricated with full length
I beam longsill 10in x 25lb/ft

17. Lifting floor shall have 2 double acting mailhot
cylinders, nitrat, anchored to the box longsill
and minimum 3.5-inch ID. Floor lift cylinders
shall be capable of working equally to lift floor
smothingly without need of an equalizing valve.

18. Chute to spinner should be poly or poly lined

19. Chain shall be minimum 667X and provide a
low centre of gravity for box,

20. The conveyor bed shall be recessed in the floor and
made with hardox 450 steel minimum 1/4 " thick.

21. Conveyor chain tension adjustment to be provided
with grease cylinders at the rear of the conveyor.

22. The box shall be equipped with a slotted
front discharge system that allow the
gearbox, sprockets, bearings and shaft to
be easily removed.

23. Hydraulic lines, on the frame and with the box,
which run in a straight line shall be stainless steel
tubing. These lines and flexible hoses shall be designed
to withstand the operating pressure of the system.

Hoist:

1. Front mounted mailhot 25 ton
Telescopic hoist to provide a
minimum of 45 degrees dump angle or equal.
Hydraulic Pump:

1. The hydraulic pump must be constant displacement gear pump capable of supplying the hydraulic needs of the truck

2. Parts of pump shall be readily available

3. The input shaft on the pump be splined

4. The fluid inlet port of the pumps shall be approximately 1-1/2” diameter and the outlet port 1” diameter. SAE solid flanges and “O” rings, size 1” and 2” shall also be supplied

5. Both inlet and outlet ports shall be supplied for flanged type couplings to attach all lines. Threaded body ports are not acceptable

6. Manufacturer’s sales literature shall be provided with quote

Valve Bank:

1. All sections provided shall be equipped with a manual override system.

2. Each section shall be clearly marked to identify its properties

3. All section spool proportional air control

4. The valve assembly shall be capable of operating at –40 degrees C. If required, the system shall be equipped with a purge valve system for cold weather operation.

5. The valve bank supplied shall have sections that will permit full interchangeability of spools

6. All inlet and outlet work ports on each section and end covers shall be constructed to accept SAE "O" ring connectors

7. Valve bank to be fully functional and contained within a moisture proof containment box having an inside dimension of large enough size to facilitate easy repair and maintenance of the valve.
8. **Preferred valve bank supplied with stainless steel valves.**

**Lighting / Electrical:**

1. **Lighting shall conform with the Province of Newfoundland and Labrador Motor Vehicle Act and Industrial Safety Act**

2. **All lighting to be LED where possible c/w waterproof connections.**

3. **Truck shall be equipped with a minimum of five (5) roof marker lamps. (LED)**

4. **Truck shall be equipped with marker lights on each box corner, midway on the box each side and three on rear of box. (LED)**

5. **Truck shall be equipped with combination, tail, stop, back-up and turn lights recessed in rear of dump box. (LED) Two additional backup lights to be installed on outside of box near the tailgate pins. Additional spot lights are to be supplied, one to shine on spinner, and one spot light for conveyor both switched separately.**

6. **Truck shall be equipped with a strobe light system, one large blue light on box canopy, one blue light recessed on each side of rear of box, and one blue light recessed in protective housings on the back sides of both plow tips.**

7. **Completely sealed lighting system with waterproof junction box and lamps, no splicing required – individual wires to each lamp, all wires protected with polyethylene tubing. Junction boxes to be located away from tire and road spray or otherwise sealed to prevent erosion.**

8. **Combination rectangular plow signal/head lights to be mounted on the top, front corners of the bonnet. Mounting shall not impede opening of the bonnet to its maximum position. Lights to be controlled by a separate circuit including breaker protection and illuminated dash mounted switch.**

9. **All on/off switches to be 12-24-volt, 50 amp rating and include labeling with clear identification of the circuit operated.**
Switches to be illuminated in the on position and easily accessible.

10. Back up alarm shall be installed (90db) Grote Model 73080, or equivalent. Activated when Vehicle is shifted to reverse.

11. All body, transmission, engine control, fuse panels or boxes/wiring and existing junction boxes to be located away from tire and road spray or otherwise sealed to prevent erosion. New wiring harness will be required where modifications to existing wiring may be necessary.

12. Batteries and battery box located away from tire and road spray or otherwise sealed to prevent erosion. Battery to be located in a sealed and vented non-corrosive container.

13. Protection, in addition to the standard cover, must be provided for batteries to keep salt, etc., from gathering on top of it or entering box. Supplier to ensure location and protection will minimize corrosion, including additional mud flaps where possible.

14. Truck chassis to be equipped with plow light harness and switch package.

15. Truck cab to be supplied with dash mounted body builder switch package (12 switch, 10 amp) All switches shall be ignition relayed.

16. All required electrical body builder plugins, etc. To be provided with chassis back of cab, to allow installation of auxiliary lighting. Hi Amp system, required.

End Cover:

1. Box hoist –1 only proportional 3-way center, 25 GPM

2. Front plow angle – 1 only proportional 4-way tandem center, 10 GPM

3. All valve assemblies shall be Flow tested for leaks and adjusted for specified GPM for each section.

4. Complete valve bank must be fully functional with a containment box having inside dimensions of approximately 30” L x 18” W x 20” D.
Controllers:
1. Air pilot proportional joy stick control with adjustable air controllers. Cable is not acceptable.
2. Function of each lever to be clearly labeled and levels must be of an ergonomic design for operator comfort.

Filters:
1A. One only Sump type section filter shall be supplied with 1 ½” NPT female pipe thread.
1B. Filter shall meet hydraulic capabilities and flow of the constant displacement gear pump supplied
1C. Filter shall be mounted to eliminate air locking of the hydraulic system.
2A. One only in-line cartridge element pressure filter and housing shall be supplied with #16 SEA “O” ring thread
2B. Filters shall meet flow capabilities and pressure of pump and provide filtering levels to approximately 10 microns
2C. Filters shall be provided with bypass capabilities
3A. Two (2) parallel in-line spin on element return filter and housing shall be supplied with 1 ¼” NPT fittings
3B. Filters shall be supplied with housing for 1 ¼” NPT fittings
3C. Filters shall have a rating of 20 microns and shall have bypass capabilities
3D. Housing shall be supplied with 2 – 25 PSI pressure restriction gauge

Reservoir Accessories:
1. One only low oil level alarm switch shall be supplied
2. One only oil sight glass including oil temperature gauge shall be supplied. Sight glass shall have 5” c-c mounting holes.
3. One only 12” round clean-out cover with 5/8” securing bolt in
center of dome as per LHA#EC12 or equivalent shall be supplied

4. One only ¼” test port connector, quick disconnect to match test gauge shall be supplied at the valve inlet

5. One only screw on type breather filter having 10-micron capability with replaceable element and 1 ¾” NPT adapter shall be supplied

6. Hydraulic oil reserve to exceed 70L and be capable of providing enough volume as required to perform all the truck’s required output functions.

Hydraulic System:

1. The hydraulic lines shall consist of rigid conduit and flexible hoses designed to withstand the operating pressure with a safety factor of at least 2 and all hydraulic lines to be positioned as to not allow chafing or twisting

2. The hydraulic system shall be a central system to allow raising of body for conventional dumping without disconnecting the hydraulic conveyor or spinner motor.

3. Connection to spinner motor to be quick disconnect

4. Provision must be made to attach ends to flexible hoses to dump box frame when disconnected from spinner motor

5. Hydraulic tank is to be located behind cab, come complete with baffles, clean out, sight gauge mounted to side so, operator has no difficulty reading it.

6. All hydraulic and air cylinders supplied shall be severe duty type with replaceable piston seals and rod seals and piston rods shall be either induction hardened steel with hard chrome plating to a minimum thickness of 0.0004” or be hardened nitride steel

7. Provide vendor and location of service facility providing warranty repairs for the hydraulic system. Vendor: ___________________ Location: ___________________
Spinner/Spreader Control System:

1. Spinner to have adjustable deflector hood. Clearance of 12.7mm (0.5 inch) minimum Required.

2. Spinner housing to be a bolted connection.

3. Spinner to have separate hydraulic motor and greaseable bearings or pre-approved equal.

4. Spinner light controlled by switch in cab (LED)

5. Hoses to spinner to be fitted with quick connect couplers and a bulkhead bracket on chassis of the truck.

6. Spinner controls to be completely accessible to the driver. All controls for spinner, conveyor spreader lifting cylinders and hoist to be inside the cab. All operations to be hydraulically controlled from inside the cab without moving pins or linkages. Spreader controlled from inside the cab manually with two (2) knob valve spinner and conveyor independently.

Conveyor:

1. The material shall be fed to the spinners by self-cleaning hydraulically driven longitudinal conveyor chain located at the driver side of dump box. Chains shall be built of abrasion resistant steel with proper baffles installed in truck box to prevent the free flow of materials

2. The conveyors shall be recessed in the floor and covered with steel plate when not in use (this plate to be heavier gauge than the box floor or of the same gauge but with a higher tensile steel strength to protect conveyor for summer use)

3. The conveyor motor must be Char-Lynn, or pre-approved equal, and capable of turning the conveyor with a full load of sand one complete revolution within 70 seconds or less at 1500 engine R.P.M.

Front Plow Blade (Reversible):

1. Truck to be equipped with Larochelle, Tenco or Everest “or pre-approved Equal”, Power Reversible Plow Blade

(a) Cutting width at zero (0) degrees of 132 “

(b) Moldboard height - 38”
(c) Moldboard thickness – minimum 10 gauge

(d) Vertical braces – minimum 5

(e) Cutting edge ½” x 6" x 11”) carbide tip

(f) Trip springs – minimum 2

(g) Four points of connection to frame

(h) Adjustable moldboard pitch of three positions

(i) Approximate weight – 20000lbs.

(j) Reversible mechanism, 2 – 3” x 9” double acting cylinders

(k) Adjustable shoes required – rectangular type

(l) Colour: Black Blade

(m) Trip selections – **single full trip**

(n) Angles required – 0 degrees to 40 degrees approximately, in either direction

2. A rubber flap 16” wide, ½” thick the length of the blade is to be installed to act as a snow deflector

3. Blade hitch and blade to have a quick coupler system installed for easy blade hook-up

4. All hoses, valves to hook this blade to unit must be either air or lever controlled, cables not acceptable

5. The quick coupler hoses for blade angle must be mounted on the right front top side of plow frame

6. Front plow to be equipped with nitrogen suspension system

7. All blades to have curb runners Installed on passenger side.

**MISCELLANEOUS**

1. Plow and dump box (inside and out including the underside of the floor), to be painted to the following specifications:

**Primer Coat**

Use Glass Shield Product Part # MC-4390,
zinc rich primer applied as per manufacturers specifications for severe service, 5 to 6 mils thick

**Top Coat**

Use Glass Shield product, White
To match cab plus catalyst applied as per manufacturers specifications for severe service, 2 to 3 mils thick

2. Frame and undercarriage to be primed and painted black with urethane or epoxy type paint.

3. Black zebra stripes to be painted on tailgate approximately 3” wide made with reflective material.

4. Tailgate shall be equipped with a warning sign that reads as follows: “CAUTION - KEEP BACK 50m”

5. Ladder to be installed on right and left side of box

6. Supply two complete sets of the following manuals:
   Operators, Maintenance with schedule program repair, including electrical and hydraulic diagrams and parts manuals
   These manuals must be supplied before payment of invoice is made.

7. All wiring to be number and colour coded and a suitable wiring diagram for all wiring including accessories must be provided. These shall include location of switches, breakers, fuses, etc. and routing schedule.

8. A completely New Vehicle/Equipment Sheet to be supplied at delivery.

9. Truck Cab and Chassis, supplied by others, to be equipped with Groeneveld automatic greasing system or “pre-approved equal”.

10. Truck Cab and Chassis, supplied by others, to be equipped with front hitch for blade. Hitch to be attached to allow bonnet and fenders to tilt forward easily to its maximum position for daily inspection.

**MISCELLANEOUS**

1. Truck to be equipped with mud flaps on rear and in front of rear wheels.
2. a) Truck cab to be painted to the following specifications:

Truck cab to be painted White.
High solids primer applied as per manufacturers specifications for severe service also required. Truck paint to be base coat/clear coat or urethane applied at place of manufacture.

3. Frame and undercarriage to be primed and painted black with urethane or epoxy type paint.

4. A completely New Vehicle/Equipment Sheet to be supplied at delivery.

WARRANTY:

For additional information regarding the warranty, please refer to Town of Fogo Island General Terms and Conditions.

1. A one-year warranty on all parts and labour must be supplied from date of delivery on the truck chassis, and cab, lighting, dump box, conveyor, sander and related components attachments including hoist, all hydraulic components, valve banks, controllers, truck blade and side wing and all related components as well as workmanship of the above noted components.

2. The Town requires the Bidder to include in its bid price the option to purchase an Extended Comprehensive Warranty, including emissions, which shall be provided on Engine, Transmission and Rear Axle for a period of five (5) years and 150,000 kilometers, which includes After Treatment Extended Coverage.

Information to be provided following contract award:

1. The successful Bidder must supply the following information upon the issue of a Letter of Acceptance:

   **Engine:**
   - Make, Model #, Size
   - Displacement, HP@RPM

   **Transmission:** Make, Size, Part #, Model #
### TENDER FORM III – BID SUBMISSION FORM

**Tender:** One (1) 2019 or Newer Single Axle Plow Truck with Snow Clearing Equipment

After having carefully read and considered the General Specifications and Town of Fogo Island General Terms and Conditions for the supply and delivery of One (1) 2019 or Newer Single Axle Plow Truck with Snow Clearing Equipment, we hereby offer to supply the units as follows:

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<th>Make, Model #, Rating, Part #</th>
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**Unit Price**

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**TOTAL PRICE – ONE (1) SINGLE AXLE PLOW TRUCK UNITS**

|                      | $__________________________ |

**DELIVERY DATE**

A definite delivery date is to be stated in the Tender. The Town’s preference is for a delivery date prior to **November 15, 2019**. The Town will be having an independent inspection completed on the trucks prior to delivery. Any deviations from the General Specifications will not be permitted and truck may be rejected if changes are not approved by the Town prior to the Tender Closing Time. **NOTE: Delivery date may play an important part in awarding this Tender.**

We hereby guarantee delivery of the specified units to the Municipal Depot, Town of Fogo Island, ____________ days from receipt of Purchase Order.

The Town reserves the right to cancel the Purchase Order issued to the successful Bidder if delivery of the units is not made or cannot be made within the time specified by Bidder above.
SIGNING OF TENDER:

COMPANY NAME:__________________________________________

ADDRESS: _____________________________________________

_______________________________________________________

PHONE #: _____________________________________________

FAX #: _________________________________________________

WITNESS SIGNATURE  AUTHORIZED SIGNATURE

____________________  _________________________________

DATE________________ DATE_________________________

TOWN OF FOGO ISLAND
GENERAL TERMS AND CONDITIONS

1. **Agreement**: This Purchase Order ("Purchase Order"), the following terms and conditions ("Terms and Conditions") and any specifications set out in Schedule "A" ("Specifications") constitutes the entire agreement ("Agreement") between the Town of Fogo Island (the "Town") and the Vendor ("Vendor") described in the Purchase Order for the supply of the Goods described in the Purchase Order and Specifications (the "Goods"). Amendments or revisions to the Agreement may only be made by an authorized representative of the Town. No amendment shall be binding unless agreed in writing and incorporated by reference into the Agreement. This Agreement may not be assigned by the Vendor.

2. **Title**: The Vendor warrants to Town that it has at the date of this Purchase Order or will have prior to shipping, clear title to the Goods described in the Purchase Order and Specifications, free of any encumbrances or liens. The Vendor will indemnify and hold Town harmless against any claims or demands in relation to the Goods. The Vendor will advise Town without delay of any such claims and ensure Town is informed of all material events in relation to the claims.

3. **Goods**: Town may return at the Vendor's expense any Goods not in compliance with the Specifications or the Purchase Order, defective or otherwise not acceptable to Town acting reasonably. There shall be no substitution of Goods without Town’s written consent.

4. **Acceptance**: Town will be provided with a reasonable period of time to inspect the Goods prior to being deemed to have accepted the same. Town shall not be obliged to inspect any of the Goods until the Vendor has fully complied with the terms of this Agreement.

5. **Warranties and Liabilities**: The Vendor warrants and confirms the following items (a) to (f), or in the alternative shall provide a warranty from any and all manufacturers of the Goods or parts of the Goods in form satisfactory to the Town warranting and confirming the following items (a) to (f):

   (a) The Goods shall be free from defects and deficiencies and shall conform to the terms of the Purchase Order and the Specifications.

   (b) The warranty shall cover all parts and labour and shall extend for a period of 12 months after the item is delivered and accepted by the Town, including truck chassis and cab, lighting, dump box, conveyor, sander and related components attachments including hoist, all hydraulic components, valve banks, controllers, truck blade and side wing and all related components as well as workmanship of the above noted components.

   (c) The warranty shall also cover the engine, transmission and rear axles for a period of five years and 150,000 kilometres.

   (d) The Vendor shall be liable for all damages to the Town incurred as a result of any defect or breach of warranty in any item covered by this Agreement.

   (e) The foregoing express warranties shall be in addition to any warranty customarily made by Vendor of its product and any implied warranties and shall be construed as conditions as well as warranties.

   (f) The warranties represented and covenants of parties hereto shall survive the delivery of the Goods and be fully enforceable thereafter. The Vendor’s warranty hereunder is part consideration for this Purchase Order; any payment by the Town hereunder is conditional upon this warranty remaining in effect; and no modification or other change of this warranty shall be valid unless made in writing by the Town.

6. **Termination for Default**: The Town may terminate this Agreement if the Vendor:

   (a) Fails to supply the Goods within the time specified in the Agreement or any extension thereof;

   (b) Fails, in the Town’s good faith judgment, to perform any of the other provisions of this Agreement or to make progress as to endanger performance of this Agreement in accordance with its terms and does not cure such failure within a period of ten days, or such longer period as the Town may authorize, in writing, after receipt of notice from the Town specifying such failure;

   (c) Is in breach of any of the Terms or Conditions of this Agreement; or

   (d) Becomes insolvent or makes an assignment for the benefit of creditors, or if there shall be instituted by or against Vendor any proceeding under any bankruptcy, reorganization, arrangement, readjustment of debt or insolvency law of any jurisdiction or for the appointment of a receiver or trustee in respect to any of Vendor’s property and such proceeding is not dismissed or cured within 60 days.

7. **Remedies**: If the Town cancels this Purchase Order in whole or in part as provided in these Terms and Conditions, the Town may procure upon such terms and in such manner as the Town may deem appropriate Goods similar to those cancelled and the Vendor shall be liable to the Town for any excess costs for such similar Goods, provided that Vendor shall continue the performance of this Purchase Order to the extent not cancelled under the provisions of this Purchase Order;
(b) The rights and remedies of the Town provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Agreement;

(c) The failure of the Town to insist upon strict performances of any of the terms of this Agreement or to exercise any rights hereunder shall not be construed as a waiver of the Town’s rights;

8. Prices and Payment:
   (a) The purchase price in the Purchase Order shall, unless otherwise indicated in writing, be inclusive of all taxes, surcharges and duties payable in relation to the Goods, other than HST. The Vendor shall be solely responsible for all freight, shipping and packing costs, unless otherwise specified. Town shall pay HST.

   (b) Town will remit payment to Vendor by mail. Vendor agrees not to deliver Goods on a sight draft or COD basis.

   (c) Unless otherwise set out in this Purchase Order, the price stated in the Purchase Order is fixed, in Canadian Dollars, and not subject to increase due to any cause, including increases in the cost of materials, labour and shipping to the Vendor.

9. Deliveries, Shipping, and Risk of Loss:
   (a) Time is of the essence, and this Purchase Order may be terminated if delivery is not made by the date specified in this Agreement. No change in the scheduled delivery date or performance will be permitted without Town’s prior written consent. No acceptance of Goods after the scheduled delivery date will waive Town’s rights with respect to such late delivery nor shall it be deemed a waiver of future compliance with the terms hereof.

   (b) All Goods are to be shipped freight prepaid, free-on-board (“FOB”) Fogo Island Town Office, NL, unless otherwise stated.

   (c) The Vendor agrees to bear all risk of loss, injury, or destruction of Goods and materials ordered herein which occur prior to acceptance by Town. No such loss, injury, or destruction shall release Vendor from any obligations hereunder. The Vendor shall procure and maintain at its expense such insurance as would be obtained by a prudent vendor providing comparable goods and shall remain liable to Town for all risk of loss, notwithstanding the limits, adequacy or coverage of any such insurance.

10. Miscellaneous:
    (a) Neither party shall be liable in any respect for failure to perform to the extent the party’s performance is hindered or prevented by a force majeure.

    (b) The Vendor shall comply with the conditions of all applicable federal and provincial laws and indemnify and hold harmless the Town in relation to any breach of the same.

    (c) This Agreement shall be construed under and governed by the laws of the Province of Newfoundland and Labrador.