

**City of Coquitlam**

**PROPOSAL SUBMISSION FORM**

**RFP No. 25-022**

**Supply and Delivery One (1) Operations Support Unit**

**Proposals will be received as per date and time in Key Dates Section**

**INSTRUCTIONS FOR PROPOSAL SUBMISSION**

Proposal submissions are to be returned in Microsoft Word and any other supporting documents to be consolidated into one PDF file and uploaded through QFile, the City’s file transfer service accessed at website: [qfile.coquitlam.ca/bid](http://qfile.coquitlam.ca/bid)

**1. In the “Subject Field” enter:** RFP Number and Name

**2. Add files in .pdf format and “Send”**

(Ensure your web browser remains open until you receive 2 emails from QFile to confirm upload is complete.)

Proponents are responsible to allow ample time to complete the Proposal Submission process. If assistance is required phone 604-927-3037.

|  |  |
| --- | --- |
| **Legal Name of Proponent** |  |
| **Contact Person and Title** |  |
| **Business Address** |  |
| **Telephone** |  |
| **Email Address** |  |

1. **DEPARTURES AND AWARD**

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| 1. **CONTRACT -** I/We have reviewed the City’s [Standard Terms and Conditions - Purchase of Goods and Services](https://www.coquitlam.ca/DocumentCenter/View/1446/10-02-2019-Standard-Terms-and-Conditions---Purchase-of-Goods-and-Services-PDF) and would be prepared to enter into in an agreement that incorporates the City’s Standard Terms and Conditions, amended by the following departures (list, if any): | |
| **Section** | **Requested Departure(s) / Alternative(s)** |
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| 1. **SERVICES -** I/We have reviewed the Scope of Services as descibed in this RFP and are prepared to meet those requirements, amended by the following departures and additions (list, if any): |
| **Requirements – Requested Departure(s) / Alternate(s) / Addition(s)** |
|  |

1. **CORPORATE**

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| 1. **CAPABILITIES, CAPACITY AND RESOURCES** - Proponents to provide information on the following (use the spaces provided and/or attach additional pages, if necessary)**:** |
| 1. Structure of the Proponent, background, how many years they have been in business and organizational history (e.g. mission, vision, corporate directions, years in business, etc.): |
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| 1. Proponent is to state any value added benefits and activities they can provide in delivering the Services. Provide details: |
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| 1. Proponent is to state how many units they have produced in the last three (3) years: |
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| 1. **SUB-CONTRACTORS -** The following Sub-contractors will be utilized in provision of the Services and will comply with all the terms and conditions of this RFP. No changes, additions or deletions are to be made to these subcontractors without the City’s written approval: | |
| **Sub-Contractor No. 1** | |
| **Legal Name** |  |
| **Trade/Services Performed** |  |
| **Background and Experience** |  |
| **Contact Information** | Name: |
| Phone Number: |
| Email Address: |

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| **Sub-Contractor No. 2** | |
| **Legal Name** |  |
| **Trade/Services Performed** |  |
| **Background and Experience** |  |
| **Contact Information** | Name: |
| Phone Number: |
| Email Address: |

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| 1. **REFERENCES –** Proponent shall be competent and capable of performing the Services requested and successfully delivered service contracts of similar size, scope and complexity. The City reserves the right to contact any person(s), agency(ies) or firm(s) not listed as part of an independent review. | |
| **Reference No. 1** | |
| **Description of Contract** |  |
| **Size and Scope** |  |
| **Work Performed** |  |
| **Start Date** |  |
| **End Date** |  |
| **Contract Value** |  |
| **Project completed on budget** |  |
| **Project completed on schedule** |  |
| **Reference Information** | Company: |
| Name and Phone Number: |
| Email Address: |

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| **Reference No. 2** | |
| **Description of Contract** |  |
| **Size and Scope** |  |
| **Work Performed** |  |
| **Start Date** |  |
| **End Date** |  |
| **Contract Value** |  |
| **Project completed on budget** |  |
| **Project completed on schedule** |  |
| **Reference Information** | Company: |
| Name and Phone Number: |
| Email Address: |

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| **Reference No. 3** | |
| **Description of Contract** |  |
| **Size and Scope** |  |
| **Work Performed** |  |
| **Start Date** |  |
| **End Date** |  |
| **Contract Value** |  |
| **Project completed on budget** |  |
| **Project completed on schedule** |  |
| **Reference Information** | Company: |
| Name and Phone Number: |
| Phone Number: |
| Email Address: |

1. **SUSTAINABLE BENEFITS AND SOCIAL RESPONSIBILITY**

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| 1. Describe all initiatives, policies, programs and product choices that illustrate your firm’s efforts towards sustainable practices and environment responsibility in providing the services that would benefit the City |
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| 1. What policies does your organization have for hiring apprentices, indigenous peoples, recent immigrants, veterans, young people, women, people with disabilities and any other groups: |
|  |
| 1. What policies does your organization have for the procurement of goods and services from local small and medium sized business or social enterprises or Indigenous owned businesses: |
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| 1. What policies does your organization have to support reconciliation with indigenous peoples: |
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1. **TECHNICAL**

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| 1. **LEAD TIME FOR DELIVERY**   The lead time for delivery of the new unit is an important consideration in this purchase. The Proponent guarantees to deliver the vehicle(s) F.O.B. (freight pre-paid) to:  **City of Coquitlam, Works Yard West, 500 Mariner Way, Coquitlam, BC.**  Lead time in days for manufacture and delivery once the final specification is approved by the City: |
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| 1. **KEY FACILITY LOCATIONS**   Manufacturing Plant, Business Name and Location: |
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| 1. Warranty and Repair Service Center   State location of nearest affiliate service facilities with factory authorized technicians located in Metro Vancouver area. Business Name and Location: |
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| 1. State the procedure for handling warranty claims: |
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| 1. **MRO Parts Distribution Center** 2. Business Name and Location: |
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| 1. Regular Lead Time for Delivery of Stocked Parts: |
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| 1. Provide a list and details of stocked parts available at the local dealership for the equipment proposed (attach additional information if necessary): |
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| 1. Location for non-stocked parts: |
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| 1. Regular Lead Time of Non- Stocked Parts: |
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| 1. **Quality Assurance** 2. Provide information on the systems of Quality Control and build specification assurance. |
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| 1. **Preventative Maintenance** – Provide preventative maintenance schedule.   Attach if necessary |
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| 1. **TRAINING AND MANUALS** |
| 1. **Operators –** stateduration of training, number of attendees and number of on-site workshops at Coquitlam Works Yard: |
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| 1. **Fleet and Maintenance –** state duration of training, number of attendees, number of workshops and Location |
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| 1. **Training Method** – State type of training method used to teach. |
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| 1. **Manuals** (online/web based/DVD/paper manuals) included:  * 3 sets Two hardcopies and one electronic copy complete Service/Overhaul Manual to cover, but not limited to, tires, engine, batteries, transmission, axles, electrical components to cover each piece of equipment proposed. * 3 sets Two hardcopies and one electronic copy Parts Manual/Catalogue covering the entire piece of equipment proposed. * 3 sets Two hardcopies and one electronic copy set of As-built Electrical Wiring Schematics to cover any and all wiring not installed by chassis manufacturer. This diagram to include part numbers and brand names of switches, lights, etc. of parts used. * 1 list Complete PARTS LIST of all belts, hoses, and filters; including part numbers, manufacturer and use. * 1 list All Fluid Capacities in liters. |
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| 1. **Training Materials:**   Access to online/web based or DVD training, 1 for Operators and 1 for Mechanics  **Confirm and State format available:** |
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| 1. **WARRANTIES AND EXTENDED WARRANTIES** | |
| Attach Warranty information including extended warranties. Any additional cost is to be stated: | |
| Manufacturer Warranty | **State:** |

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| 1. **Preliminary Drawings –** Attach drawings to show interior and exterior views of the unit, specifications, and the location of compartments. | |
| **Yes** | **No** |

1. **FINANCIAL**

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| * 1. **Supply and Delivery One (1) Operations Support Unit** In accordance with **APPENDIX A – PREFERRED SPECIFICATIONS** | | | |
| **Supply and Delivery One (1) Operations Support Unit – State Manufacturer and Model:** | |  | |
|  | **Item** | **Quantity** | **Unit Price in CAD**  (exclude PST & GST) |
|  | **Supply and Delivery One (1) Operations Support Unit** | **1** | **$** |
|  | **Levies (per unit)**: | **1** | **$** |
|  | **Environmental Tax (per unit)**: | **1** | **$** |
|  | **Tariffs (if applicable)** |  | **$** |
| **Sub-Total** | | | **$** |
| **PST** | | | **$** |
| **GST** | | | **$** |
| **TOTAL PRICE (per unit)** | | | **$** |
| The Price must include all required decals, paint and any features required to be compliant with all regulations and standards and be fully operational. | | | |

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| * 1. **WARRANTIES AND EXTENDED WARRANTIES**   Attach Warranty information including extended warranties. Any additional cost state: | |
| Extended Bumper to Bumper Warranty State term: | **State Term:** |
| $ |
| Other available Warranty  Options: | **State Options:** |
| $ |

**Attention Purchasing Manager:**

1. **I/We, the undersigned duly authorized representative of the Proponent**, having received and carefully reviewed all of the Proposal documents, including the RFP and any issued addenda posted on the City’s website [www.coquitlam.ca/Bid-Opportunities](http://www.coquitlam.ca/140/Bid-Opportunities) and having full knowledge of the Site, and having fully informed ourselves as to the intent, difficulties, facilities and local conditions connected to performing the Services~~,~~ submit this Proposal in response to the RFP.
2. **I/We**  agree to the rules of participation outlined in the [Instructions to Proponents](https://www.coquitlam.ca/DocumentCenter/View/11882/Instructions-to-Proponents-V14?bidId=) and should our Proposal be selected, agree to the City’s [Standard Terms and Conditions - Purchase of Goods and Services](https://www.coquitlam.ca/DocumentCenter/View/1446/Standard-Terms-and-Conditions---Purchase-of-Goods-and-Services-PDF?bidId=) and will accept the City’s Contract as defined within this RFP document.
3. **I/We acknowledge** receipt of the following Addenda related to this Request for Proposals and have incorporated the information received in preparing this Proposal.

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| **Addendum No.** | **Date Issued** |
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**This Proposal** is submitted this \_\_\_\_day of \_\_\_\_\_\_\_, 20\_\_\_\_\_\_.

**I/We have the authority to sign on behalf of the Proponent and have duly read all documents.**

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| **Legal Name of Company** |  |
| **Signature(s) of Authorized Signatory(ies)** | **1.** |
| **2.** |
| **Print Name(s) and Position(s) of Authorized Signatory(ies)** | **1.** |
| **2.** |

**APPENDIX A – PREFERRED SPECIFICATIONS – Supply and Delivery One (1) Operations Support Unit**

| **ITEM** | **DESCRIPTION** | **PREFERRED SPECIFICATIONS** | **MEETS PREFERRED SPECIFICATION YES/NO** |
| --- | --- | --- | --- |
|  | **GENERAL** | It is the intent of these specifications is to describe the preferred requirements for **Supply and Delivery One (1) Operations Support Unit**. The unit must have a standard road package that meets all legal requirements for operation on public roadways, including the BC Motor Vehicle Act, the federal Motor Vehicle Safety Act and Work Safe BC regulations. | |
|  | Make |  |  |
|  | Model |  |  |
|  | Year of Manufacture | Current |  |
|  | Vehicle Weight | GVW 54,600 M2-106 or equivalent Chassis |  |
|  | Regulatory | Must comply with all WorkSafe BC Regulations.  Must meet all B.C. Motor Vehicle Regulations and meet all requirements to be driven on highways, roads, etc.  Must meet current mandatory emission requirements.  To meet Canadian Motor Vehicle Safety Standards. |  |
|  | Overall Exterior Truck Length | 41’ max. preferred.  -State overall length. |  |
|  | Vehicle height | 12’ 6” max  State - Overall travel height of vehicle. Including all accessories and rooftop units. |  |
|  | **Body** | | |

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|  | Base Body | All aluminum commercially available production model walk-in body (no exceptions). May not include any proprietary construction techniques or components.  Body shall be one-piece aluminum side panels. The panels must be free of rivets allowing for greater leak protection.  -State type of side panels.  Body to be installed on chassis using rubber isolation mounts for maximum protection of the chassis and box. |  |
|  | Insulation | Walls, doors and ceiling insulated for sound.  -State type of insulation. |  |
|  | Roof | Perimeter must have built in roof drip rail.  Corners must have welded in radius castings.  One piece with no seams and no rivets, crowned to shed water. |  |
|  | Exterior Paint and Decals | Cab colour is standard black on red to match existing fleet and is to come with base and clear coat.  Decals to match existing fleet. |  |
|  | **Exterior Box** |  |  |
|  | #1 - Slide Out Passenger Side Front of box | The slide out room extensions to be approximately 84” wide by 24” deep with maximum height utilized.  - State dimensions.  Slide out shall be fully automatic  -State type of control.  Insulated.  Slide out awning to match rooftop awnings.  No track or hardware shall be attached to the ceiling or the floor of the body.  Install an interlock through the vehicle automation system to prevent moving the vehicle with the slide out extended. Vehicle automation system to give audible and visual alert if the ignition is turned to on position when any slide out is extended.  The slide will contain 2 work stations on 1table running the length of the slide which will allow for 2 office chairs. Add storage drawers underneath the table between the 2 stations.  - State type of table top, storage, chairs and color.  Slide to include aluminum storage cabinets above the table set back far enough to not bump head. State size and type of cabinets.  - Must have at least one 120V electrical receptacle with USB/USB – C ports at each work station.  -State electrical components. |  |
|  | #2 - Slide Out Exterior compartment | Approximately 78” W x 42” H x 6” D compartment to house mounted monitor screen. Minimum 50 inch screen.  -State dimensions and type of monitor.  Any additional space to be filled with adjustable shelving.  -State type and dimension of shelving.  120V electrical receptacle in compartment  HDMI cable run to work station location.  -State electrical components. |  |
|  | #3 and #4 - 2 Storage cabinets under slide out | Must utilize maximum height and depth.  -State dimensions and door type.  -State possible use. (I.e. Fresh and waste water tanks, batteries, inverters, and pumps etc.) |  |
|  | #5 - Passenger Side Exterior Door | Next to slide out towards the rear.  -State dimensions.  Door to have a sliding window with screens and privacy cover.  Door ajar switch to be wired to cab warning light.  Equipped with a device to hold open.  -State type of device.  Fold away entry step with LED ground lights.  -State type.  Extruded drip rail above.  Grab rail mounted to vehicle. |  |
|  | #6 - Passenger side compartment ( next to door ) | Approximately 56’ W.  Adjustable Shelving – min 2  Top shelf to be a drop down style.  Second shelf to be a slide out.  Roll up door.  Must utilize maximum height and depth.  - State Dimensions, shelf weight capacities and type of door. |  |
|  | #7 - Passenger side compartment | Approximately 56” W.  Adjustable Shelving – min 2  Top shelf to be a drop down style.  Second shelf to be a slide out.  Roll up door.  Must utilize maximum height and depth.  - State Dimensions, shelf weight capacities and type of door. |  |
|  | #8 - Passenger side compartment | Approximately 24”.  Adjustable Shelving.  Roll up door.  Must utilize maximum height and depth.  - State Dimensions, type of shelving and type of door. |  |
|  | #9 - Passenger side compartment | Approx. 40” W.  Entire compartment to be transverse.  Adjustable Shelving.  Must utilize maximum height.  Roll up door.  - State Dimensions, type of shelving and type of door. |  |
|  | #10 - Slide out Driver Side front of box. | The slide out room extensions to be approximately 84” wide by 24” deep with maximum height utilized.  - State dimensions.  Slide out shall be fully automatic.  -State type of control.  Insulated.  Slide out awning to match rooftop awnings.  No track or hardware shall be attached to the ceiling or the floor of the body.  Install an interlock through the vehicle automation system to prevent moving the vehicle with the slide out extended. Vehicle automation system to give audible and visual alert if the ignition is turned to on position when any slide out is extended. |  |
|  | #11 - Driver Side Exterior slide out compartment. | Sized to fit with interior folding bench seats.  Adjustable Shelving – min 2  Top shelf to be a drop down style.  Second shelf to be a slide out.  Roll up door.  Must utilize maximum height and depth.  - State Dimensions, shelf weight capacities and type of door. |  |
|  | #12 and #13 - Driver Side 2 Storage compartments under slide out | Must utilize maximum height and depth.  -State dimensions and door type.  -State how many compartments and possible use. (I.e. Fresh and waste water tanks, batteries, inverters, and pumps etc.) |  |
|  | #14 - Drivers side Exterior Door to Washroom | -State dimensions.  Door to have a sliding window with screens and privacy cover.  Door ajar switch to be wired to cab warning light.  Equipped with a device to hold open.  -State type of device.  Fold away entry step with LED ground lights.  -State type.  Extruded drip rail above.  Grab rail mounted to vehicle |  |
|  | #15 - Driver Side Storage Compartment under washroom | Sized to fit under washroom.  Must utilize maximum height and depth. Incorporate a slide out tray.  Tray to have a 2” lip on all sides, with a drain hole and removable rubber matting. Door to be hinged with hand latch.  -State Dimensions and tray capacity.  Sized to house diesel generator. |  |
|  | #16 - Driver Side Compartment next to door | Approximately 20” W.  Must utilize maximum height and depth.  To house a water supply with pull out shower head.  - State Dimensions, type of water supply controls and type of door. |  |
|  | #17 - Driver Side Compartment over rear wheels | Approximately 80” W.  Adjustable Shelving – min 2  Top shelf to be a drop down style.  Second shelf to be a slide out.  Roll up door.  Must utilize maximum height and depth.  - State Dimensions, shelf weight capacities and type of door. |  |
|  | #18 - Driver Side Compartment | Approximately 24” W.  Adjustable Shelving – min 2  Top shelf to be a drop down style.  Second shelf to be a slide out.  Roll up door.  Must utilize maximum height and depth.  - State Dimensions, shelf weight capacities and type of door. |  |
|  | #19 - Driver Side Compartment | Approx. 40” W.  Entire compartment to be transverse.  Adjustable Shelving.  Must utilize maximum height.  Roll up door.  - State Dimensions, type of shelving and type of door. |  |
|  | Wheel Chock Storage | Accommodate 2 rubber wheel chocks if possible.  Drivers side wheel well.  - State Dimensions and location. |  |
|  | All Compartments | Ventilated – Must be programmable.  -State type of ventilation.  Dry Deck matting  All slide trays to have reflective striping  Sprayed with rubber coating and painted grey  LED Lighting  -State type of lighting |  |
|  | Fresh water Tank | Include level indicators.  -State size and location.  Install a ¾” hose bib with 12 volt RV type water pump capable of min 3 gpm at 50 psi.  -State size of pump and location. |  |
|  | Black Water Tank | Include level indicators.  -State size and location.  Driver side drain. |  |
|  | Grey Water Tank | Include level indicators.  -State size and location.  Drivers side drain. |  |
|  | Tanks | All tanks, waterlines and pumps to have cold weather protection.  -State type of protection.  All tank drains to be on driver’s side. |  |
|  | Water heater | -State type, capacity and location. |  |
|  | Awnings | 2 automatic closing roof mounted awnings (1 per side). As long as possible including LED lighting and aluminum protective case.  -State make, model and colour. |  |
|  | Heating and AC | Manufacture to state most efficient options for HVAC system.  To include Heat and AC. |  |
|  | Placard Holder | 1 on each rear door, 1 on the front and 1 on the rear. |  |
|  | Heavy duty door/seatbelt sensors | All door and seatbelt sensors to be heavy duty to minimize breakage and alarm errors.  Silence option for sensors to be available.  -State type of sensors. |  |
|  | Rear Bumper | Powder coated black finish. |  |
|  | **INTERIOR BOX** | | |
|  | Flooring | Interior sub floor with vinyl cover.  – State options and measurements. |  |
|  | Meeting Table | Removable, located towards front, center of box.  -State type. |  |
|  | Folding bench seating | Located in driver side slide out.  -State type of seating and dimensions. |  |
|  | Drivers Slide Out Upper Storage Cabinets | Located in driver side slide out.  Upper storage cabinets to accommodate storage, fridge and microwave. Include electrical outlets.  -State dimensions of cabinets and make of fridge and microwave. |  |
|  | Washroom | Located driver side in box.  Pedal flush, high rise toilet. Small hand wash sink with mirror faced cabinet. Include paper towel dispenser, garbage can and dual toilet paper holder.  Shower head with base.  -State make, model and colour of fixtures etc.  Manufacturer to advise best use of space. |  |
|  | Coffee Station | Located next to washroom. Include sink and cabinet/counter.  -State location, make, model and colour of appliances/counter.  Manufacturer to advise best use of space. |  |
|  | Interior Cabinets | As per manufacturers design to take advantage of the most storage area possible.  State material, colour, shelving, door hardware and lighting.  - State Dimensions and location. |  |
|  | Ceiling Fans | Manufacturer to state best configuration. |  |

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|  | **CAB** | | |
|  | Cab Type | 4 door crew cab with 4 seats. |  |
|  | Wipers | Dual wipers with intermittent function. |  |
|  | Horns | Dual electric & air horns. |  |
|  | Back-up Alarm | Maximum 102 dBA.  -Must meet Work Safe BC regulations and requirements.  -State the dBA rating.  Backup camera system with colour monitor and night vision.  -State make and model. |  |
|  | Heater/AC | Multi speed high output heater, defroster and air conditioning. |  |
|  | Radio | AM/FM radio with Bluetooth. |  |
|  | Mirrors | Electric adjustable mirrors with dual convex mirrors.  -State options.  Powder coated black finish like bumpers. |  |
|  | Power Accessories | Power windows and door locks.  Have a hidden exterior unlock button under driver’s side bumper or equivalent.  -State options. |  |
|  | Driver and front passenger Seats | 2 air ride premium seats with adjustments. Seat to be durable vinyl.  -Provide information as to adjustments.  -State colour options. |  |
|  | Rear Seats | 2 Air ride premium seats.  Seat to be durable vinyl.  - Provide information as to adjustments.  -State colour options. |  |
|  | Cab Rear | Cut out as large as possible.  -State size of cutout. |  |
|  | Floor Cover | Vinyl floor cover.  -State colour options. |  |
|  | Gauges | Is to include speedometer, tachometer, fuel, diesel exhaust fuel (“DEF”), oil pressure, coolant temperature, transmission temp gauge, outside temperature, brake application, primary and secondary air reservoir gauges  -State gauges which are included and the style of each gauge. |  |
|  | Cab Lights | Door activated dome lights.  Red and white ceiling mounted map lights. |  |
|  | Cab Handles | Left and right grab handles for the entry and exit of the cab.  Black powder coated finish. |  |
|  | Exterior Paint and Decals | Cab colour is standard black on red to match existing fleet and is to come with base and clear coat.  Decals to match existing fleet. |  |
|  | Sound Suppression | Cab is to include sound suppression to manufacturers spec.  -State the means used to achieve sound suppression. |  |
|  | Safety | Unit is to come equipped with reflector kit and a mounted fire extinguisher.  -State location of reflector kit.  -State size and mounting location of extinguisher. |  |
|  | Hood | Hood to be front tilting. |  |
|  | Front Bumper | Powder coated black finish. |  |
|  | Cab Interior | Dark Charcoal/Grey Vinyl. |  |
|  | EMTRAC System | Power to supply City of Coquitlam EMTRAC transponder unit. |  |
|  | Sigtronics | 4 Sigtronics headsets wired w/ hangers. |  |
|  | **CHASSIS** | | |
|  | Wheel Base | Wheel base to meet weight distribution requirements.  -State wheel base length.  -State overall width of unit  -State overall length of unit. |  |
|  | Cab to Axle | To meet weight distribution requirements.  -State cab to axle length. |  |
|  | Fuel Tank(s) | -State mounting location and size of fuel tanks.  Fill location on driver’s side. |  |
|  | Stabilizers | Electric powered.  -State type and locations. |  |
|  | **ENGINE EQUIPMENT** | | |
|  | Diesel Engine | Minimum 300 Horse Power & 650 foot pounds engine torque.  -State horse power rating of engine offered.  -State engine torque rating in foot pounds. |  |
|  | Emissions | Engine is to be current emission compliant.  -Provide details. |  |
|  | Brake | Engine brake.  -State type. |  |
|  | Filters | Lubricant, fuel and coolant filters. |  |
|  | Fuel Water Separator | Fuel Water Separator.  -State style and mount location. |  |
|  | Fuel | Renewable diesel compatible.  -State warranty coverage in regards to using Renewable diesel.  -State maximum Renewable diesel content which unit will work (20% to 100% biodiesel) |  |
|  | Exhaust | Horizontal.  In front of rear tire passenger side to match Nederman Exhaust Extraction/w Gen 2 transmitter. |  |
|  | Nederman Puck | Installed for exhaust extraction system. |  |
|  | **COOLING SYSTEM** | | |
|  | Heavy Duty Radiator | Must meet engine & transmission cooling requirements and be compatible with extended life coolant. |  |
|  | Transmission Cooler | Meets the needs of engine, transmission and retarder. |  |
|  | Hoses | Hoses are to be silicone with constant torque clamps. |  |
|  | **ELECTRICAL** | | |
|  | Shore Power | Manufacturer to state best configuration for electrical constant power requirements.  -State. |  |
|  | Alternator | Alternator to function at a minimum of 20% above expected load.  -State amperage of alternator. |  |
|  | Battery | Battery.  -State type and the total CCA rating. |  |
|  | Lighting System | 12 Volt lighting system with circuit protection.  Unit lighting is to be LED.  -State type of LED lighting and locations of fixtures and switches. |  |
|  | Ground Lighting | LED perimeter ground lighting.  – State type and locations. |  |
|  | Wiring 12 Volt | Circuits are to be numbered and /or color coded. All wiring to be sealed. Main wiring harness to be fully accessible through removable raceways etc. Must have a minimum of 4 integrated auxiliary switches.  -State number of auxiliary switches. |  |
|  | Circuit Breakers | Auto reset.  -State type. |  |
|  | Trailer Brake Controller | Full trailer towing package or aftermarket controller installed at the dealer with provisions for electric trailer brakes.  -State what is offered. |  |
|  | Generator | Onan quiet diesel generator installed in the lower front driver side compartment ( or state other location ) using the vehicles main fuel supply. Must be sufficient to supply all electrical requirements.  -State size and model. |  |
|  | Radio | Radio and antenna kit wired to cab and work stations. |  |
|  | 120 V Exterior Receptacles | Manufacturer to state best configuration for exterior receptacles. |  |
|  | Misc. Electrical | Manufacturer to state best configuration for electrical requirements  1 receptacle in each compartment is preferred. |  |
|  | **EXTERIOR /INTERIOR LIGHTING** | | |
|  | Full Light Package | Including headlights, amber warning lights, amber turn signals and brake lights (LED).  -Must meet Canadian Motor Vehicle Safety Standards |  |
|  | Stop, Tail and Signal Lights | Separate stop, tail and signal lights, recessed with protective guards to be LED.  -State type of lights.  - Must meet Canadian Motor Vehicle Safety Standards. |  |
|  | Clearance Lights | Clearance lights are to be LED.  -State type. |  |
|  | Regulatory | Lighting to meet all Canadian and BC motor vehicle regulations. |  |
|  | Back-up | Clear back-up lights to be LED and activate when reverse gear is selected. |  |
|  | Emergency Lighting | Whelen or equivalent Ultra Freedom NFPA 60” Light bar with 2 front red flashers, 2 front white flashers and 4 corner red flashers. Include aluminum mounting brackets.  Whelen or equivalent LED flashers to meet or exceed emergency vehicle standard.  - State type, model, mounting style and locations. |  |
|  | Scene Lighting | Whelen M9LZC LED or equivalent scene lights with chrome bezels.  2 lights on front.  3 lights on each side.  2 lights facing rearwards mounted at the rear of the vehicle.  - State type, model, mounting style and locations. |  |
|  | Traffic advisory strip light | LED traffic advisory strip light to be mounted at the rear facing rearward with separate controls.  -State mounting details, controls and model. |  |
|  | Interior Lighting | Manufacturer to state best configuration for interior lighting. Must be LED.  -State. |  |
|  | **TRANSMISSION** | | |
|  | Transmission | Allison transmission to meet requirements  -State all options available  -State warranty |  |
|  | Transmission Temperature Gauge | -State type of temperature gauge. |  |
|  | Transmission Lubricant | Transynd lubricant or equivalent for extended warranty.  -State type. |  |
|  | Drive Line | Safety Loops required. |  |
|  | **FRONT AXLE** | | |
|  | Capacity | Match to expected loads and GVW.  State front axle capacity. |  |
|  | Shock Absorbers | Heavy Duty.  -State what is offered. |  |
|  | **REAR AXLES** | | |
|  | Capacity | Tandem matched to expected loads and GVW. -State rear axle capacities. |  |
|  | Axle Lock | Dash Mounted switch.  -Provide details. |  |
|  | Differential | State ratio based on hill climbing capabilities. Hill climbing ability preferred with top speed of 90 KMPH sufficient.  -Provide SCAAN report. |  |
|  | Diff Lock | Dash Mounted switch.  Provide details. |  |
|  | Air Suspension | Air ride suspension with suspension gauge mounted in dash. |  |
|  | **STEERING** | | |
|  | Power Steering | Tilt and telescopic. |  |
|  | **BRAKES** | | |
|  | Front Brakes | Air disc brake required.  All wheel lock up with brake stroke indicators.  -State type of brakes.  -State size and thickness of rotors and size of calipers. |  |
|  | Rear Brakes | Air disk brake required.  All wheel lock up with brake stroke indicators  -State type of brakes.  -State size and thickness of rotors and size of calipers. |  |
|  | Emergency Brake | Air Brake.  - State type and operation. |  |
|  | Air Tanks | Labelled Auxiliary and primary.  Remote drains to bleed air tanks from the driver’s side of vehicle |  |
|  | Aux Air System | Aux air compressor provided to keep air brake system pressure up while plugged into shore power. |  |
|  | Tow brakes | Delete capacity to tow air brake trailers. |  |
|  | **RIMS AND TIRES** | | |
|  | Front Rims | Black Aluminum.  -State size of rims.  -Load rating. |  |
|  | Front Tires | Traction tires installed.  -State tire manufacturer and model.  -State tire size. |  |
|  | Rear Rims inner and outer. | Black Aluminum.  -State size of rims.  -Load rating. |  |
|  | Rear Tires | Traction tires installed.  -State tire manufacturer and model.  -State tire size. |  |
|  | **EQUIPMENT** | | |
|  | Tow Hooks | Front mounted.  Black Powder Coat Finish |  |
|  | Mud Guards | Front and Rear. |  |
|  | Trailer Tow Receiver | Must include electric brakes. |  |
|  | Insta Chains | Cab mounted activation switch, easily accessible to driver.  State type. |  |
|  | Front and Rear Bumper | Black powder coated. |  |
|  | Siren | Whelen electronic or equivalent.  - State type. |  |
|  | **FUEL TANK** | | |
|  | Fuel Tank | Diesel tank to be labelled “Diesel Fuel Only”.  -State capacity of tank in litres.  -State location of tank.  -Fill location must be on driver’s side. |  |
|  | Diesel Exhaust Fluid (“DEF”) Tank | DEF tank to be labelled “DEF Only”.  -State capacity of tank in litres.  -State location of tank. |  |
|  | **SAFETY EQUIPMENT** | | |
|  | Certification | Meets Canadian Motor Vehicle Safety Standards. |  |
|  | Smoke and CO Detectors | Manufacturer to state best configuration. |  |
|  | **DELIVERY** | | |
|  | Pre-delivery and Inspection | Complete pre-delivery and motor vehicle inspection. |  |
|  | **PARTS AND SERVICE** | | |
|  | Manuals and Spare Parts List | 3 sets - Two hardcopies and one electronic copy complete Service/Overhaul Manual to cover, but not limited to, tires, engine, batteries, transmission, axles, electrical components to cover each piece of equipment proposed.  3 sets - Two hardcopies and one electronic copy Parts Manual/Catalogue covering the entire piece of equipment proposed.  3 sets - Two hardcopies and one electronic copy set of As-built Electrical Wiring Schematics to cover any and all wiring not installed by chassis manufacturer. This diagram to include part numbers and brand names of switches, lights, etc. of parts used.  1 list - Complete PARTS LIST of all belts, hoses, and filters; including part numbers, manufacturer and use.  1 list - All Fluid Capacities in litres. |  |
|  |  | OPTIONS |  |
| A. | Undercoat | Corrosion free undercoat.  -State additional cost. |  |
|  | Tower Lighting | LED tower light.  Extendable above roof and includes handheld NFPA controller with emergency stop.  – State lumen output and manufacturer/model (Wil-burt preferred).  -State options for 4, 6 and 8 light heads.  - State additional cost. |  |