|  |  |
| --- | --- |
|  | SCHEDULE B – FORM OF QUOTATION |

RFQ Title: Supply and Delivery of Seven [More or Less] Tandem Axle Dump Trucks

RFQ No: 1220-040-2023-009

**CONTRACTOR**

**Legal Name:**

**Contact Person and Title:**

**Business Address:**

**Business Telephone:**

**Business Fax:**

**Business E-Mail Address:**

**CITY OF SURREY**

City Representative: Sunny Kaila, Manager, Procurement Services

E-mail for PDF Files: [purchasing@surrey.ca](mailto:purchasing@surrey.ca)

1. If this Quotation is accepted by the City, a contract will be created as described in:

(a) the Agreement;

(b) the RFQ; and

(c) other terms, if any, that are agreed to by the parties in writing.

1. Capitalized terms used and not defined in this Quotation will have the meanings given to them in the RFQ. Except as specifically modified by this Quotation, all terms, conditions, representations, warranties and covenants as set out in the RFQ will remain in full force and effect.
2. I/We have reviewed the RFQ Attachment 1 – Agreement – Goods and Services. If requested by the City, I/we would be prepared to enter into that Agreement, amended by the following departures (list, if any):

**Section Requested Departure(s)**

1. The City requires that the successful Contractor have the following in place **before providing the Goods and Services**:
2. Workers’ Compensation Board coverage in good standing and further, if an “Owner Operator” is involved, personal operator protection (P.O.P.) will be provided,

Workers' Compensation Registration Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

1. Prime Contractor qualified coordinator is Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

and Contact Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

1. Insurance coverage for the amounts required in the proposed Agreement as a minimum, naming the City as additional insured and generally in compliance with the City’s sample insurance certificate form available on the City’s Website at [www.surrey.ca](http://www.surrey.ca) search [Standard Certificate of Insurance](http://www.surrey.ca/files/DCT_Standard_Certificate_of_Insurance_2014.docx);

(d) City of Surrey or Intermunicipal Business License: Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

(e) If the Contractor’s Goods and Services are subject to GST, the Contractor’s GST Number is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; and

(f) If the Contractor is a company, the company name indicated above is registered with the Registrar of Companies in the Province of British Columbia, Canada, Incorporation Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

As of the date of this Quotation, we advise that we have the ability to meet all of the above requirements **except as follows** (list, if any):

**Requested Departure(s):**

1. The Contractor acknowledges that the departures it has requested in Sections 3 and 4 of this Quotation will not form part of the Agreement unless and until the City agrees to them in writing by initialing or otherwise specifically consenting in writing to be bound by any of them.

**Changes and Additions to Specifications:**

1. I/We have reviewed the RFQ Attachment 1, Schedule A – Specifications of Goods and Scope of Services. If requested by the City, I/we would be prepared to meet those requirements, amended by the following departures and additions (list, if any):

**Requested Departure(s)**

**Fees and Payments**

1. Contractors are encouraged to submit pricing based on the most recently available model year. The City will allow pricing adjustments based on price changes from the manufacturer. The Contractor will be expected to provide factory invoices to justify increases.

Please provide pricing on Sections 8 through 10 on the applicable trucks quoted.

As part of their Quotation(s), Contractors should submit Schedule B-1, Schedule B-2 and Schedule B-3 - Preferred Technical Specifications Response Forms (as applicable) by completing the spreadsheet’s third right-most columns.

1. For **CNG Fueled Truck** option if selected by the City, the Contractor offers to supply to the City of Surrey the Goods and Services for the prices plus applicable taxes as follows:
   1. Year, Make & Model:
   2. Pricing:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **F.O.B. Destination Prepaid** | | **Payment Terms:**  A cash discount of % will be allowed if invoices are paid within days, or the day of the month following, or net 30 days, on a best effort basis. | | **Ship Via:** |
| **Item** | **Particulars** | | | **Cost per Unit**  **(CDN $)** |
| 1 | Cab and Chassis Price: | | | $ |
| 2 | Dump Box & Hitch (Langfab): | | | $ |
| 3 | Snowplow, IQAN, Hydraulics (Commercial Truck): | | | $ |
| 4 | Epoke Salt Spreader (Vimar) | | | $ |
| 5 | Province of B.C. Environmental Levy (Battery): | | | $ |
| 6 | Province of B.C. Advance Disposal Fee (Tires): | | | $ |
| 7 | Air Conditioning Surcharge: | | | $ |
| 8 | Other Fees/Levies (please state): | | | $ |
|  | a.) | | |  |
|  | b.) | | |  |
|  | c.) | | |  |
| 9 | **Subtotal:** | | | $ |
| 10 | **GST (5%)** | | | $ |
| 11 | **PST (7%)** | | | $ |
| 12 | **TOTAL QUOTATION PRICE FOR ONE UNIT:** | | | **$** |
| ***Pricing is firm until (state date):*** | | |  | |
| ***ALL PRICING IN CANADIAN DOLLARS*** | | | | |

* 1. **The completed unit shall be delivered within days after receipt of Purchase Order.**
  2. Please indicate volume discounts where applicable:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **# Vehicles purchased** | **2** | **3** | **4** | **5** | **6** | **7** |
| **Discount (% or $)** |  |  |  |  |  |  |

* 1. Please complete if applicable: British Columbia Certified 
  2. Complete Vehicle: State Warranty (no less than one (1) year) \_
  3. Extended Warranty Options:
  4. Warranty repairs shall be performed at:
  5. In addition to the warranties provided in the Draft Quotation Agreement, this Quotation includes the following warranties:

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1. For **Diesel Fueled Truck** option if selected by the City, the Contractor offers to supply to the City of Surrey the Goods and Services for the prices plus applicable taxes as follows:
   1. Year, Make & Model:
   2. Pricing:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **F.O.B. Destination Prepaid** | | **Payment Terms:**  A cash discount of % will be allowed if invoices are paid within days, or the day of the month following, or net 30 days, on a best effort basis. | | **Ship Via:** |
| **Item** | **Particulars** | | | **Cost per Unit**  **(CDN $)** |
| 1 | Cab and Chassis Price: | | | $ |
| 2 | Dump Box & Hitch (Langfab): | | | $ |
| 3 | Snowplow, IQAN, Hydraulics (Commercial Truck): | | | $ |
| 4 | Epoke Salt Spreader (Vimar) | | | $ |
| 5 | Province of B.C. Environmental Levy (Battery): | | | $ |
| 6 | Province of B.C. Advance Disposal Fee (Tires): | | | $ |
| 7 | Air Conditioning Surcharge: | | | $ |
| 8 | Other Fees/Levies (please state): | | | $ |
|  | a.) | | |  |
|  | b.) | | |  |
|  | c.) | | |  |
| 9 | Subtotal: | | | $ |
| 10 | GST (5%) | | | $ |
| 11 | PST (7%) | | | $ |
| 12 | **TOTAL QUOTATION PRICE FOR ONE UNIT:** | | | **$** |
| *Pricing is firm until (state date):* | | |  | |
| ***ALL PRICING IN CANADIAN DOLLARS*** | | | | |

* 1. **The completed unit shall be delivered within days after receipt of Purchase Order.**
  2. Please indicate volume discounts where applicable:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **# Vehicles purchased** | **2** | **3** | **4** | **5** | **6** | **7** |
| **Discount (% or $)** |  |  |  |  |  |  |

* 1. Please complete if applicable: British Columbia Certified 
  2. Complete Vehicle: State Warranty (no less than one (1) year) \_
  3. Extended Warranty Options:
  4. Warranty repairs shall be performed at:
  5. In addition to the warranties provided in the Draft Quotation Agreement, this Quotation includes the following warranties:

1. For **Electric Vehicle (EV)Tandem Axle Truck** option if selected by the City, the Contractor offers to supply to the City of Surrey the Goods and Services for the prices plus applicable taxes as follows:
   1. Year, Make & Model:
   2. Pricing:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **F.O.B. Destination Prepaid** | | **Payment Terms:**  A cash discount of % will be allowed if invoices are paid within days, or the day of the month following, or net 30 days, on a best effort basis. | | **Ship Via:** |
| **Item** | **Particulars** | | | **Cost per Unit**  **(CDN $)** |
| 1 | Cab and Chassis Price: | | | $ |
| 2 | Dump Box & Hitch (Langfab): | | | $ |
| 3 | Snowplow, IQAN, Hydraulics (Commercial Truck): | | | $ |
| 4 | Epoke Salt Spreader (Vimar) | | | $ |
| 5 | Province of B.C. Environmental Levy (Battery): | | | $ |
| 6 | Province of B.C. Advance Disposal Fee (Tires): | | | $ |
| 7 | Air Conditioning Surcharge: | | | $ |
| 8 | Other Fees/Levies (please state): | | | $ |
|  | a.) | | |  |
|  | b.) | | |  |
|  | c.) | | |  |
| 9 | **Subtotal:** | | | $ |
| 10 | **GST (5%)** | | | $ |
| 11 | **PST (7%)** | | | $ |
| 12 | **TOTAL QUOTATION PRICE FOR ONE UNIT:** | | | **$** |
| ***Pricing is firm until (state date):*** | | |  | |
| ***ALL PRICING IN CANADIAN DOLLARS*** | | | | |

* 1. **The completed unit shall be delivered within days after receipt of Purchase Order.**
  2. Please indicate volume discounts where applicable:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **# Vehicles purchased** | **2** | **3** | **4** | **5** | **6** | **7** |
| **Discount (% or $)** |  |  |  |  |  |  |

* 1. Please complete if applicable: British Columbia Certified 
  2. Complete Vehicle: State Warranty (no less than one (1) year) \_
  3. Extended Warranty Options:
  4. Warranty repairs shall be performed at:
  5. In addition to the warranties provided in the Draft Quotation Agreement, this Quotation includes the following warranties:

**Time Schedule:**

1. Contractors should provide an estimated schedule, with major item descriptions and times indicating a commitment to provide the Goods and perform the Services within the time specified (use the spaces provided and/or attach additional pages, if necessary). Staggered delivery of units is acceptable permitted that Contractors approximate the quantity, and year and quarter the units are anticipated to be delivered in.

MILESTONE DATES \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ACTIVITY | SCHEDULE IN \_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
|  |  |  |  |  |  |  |  |  |  |  |
| SAMPLE |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

**Experience, Reputation and Resources:**

1. Contractor's relevant experience and qualifications in delivering Goods and Services similar to those required by the Agreement (use the spaces provided and/or attach additional pages, if necessary):

1. Contractor's references (name and telephone number) (use the spaces provided and/or attach additional pages, if necessary). The City's preference is to have a minimum of three references. Previous clients of the Contractor may be contacted at the City’s discretion.

1. Contractors should identify and provide the background and experience of all key personnel proposed to provide the Goods and Services (use the spaces provided and/or attach additional pages, if necessary):

**Key Personnel**

|  |  |
| --- | --- |
| Name: |  |
| Experience: |  |
| Dates: |  |
| Project Name: |  |
| Responsibility: |  |

1. Contractors should identify and provide the background and experience of all sub‑contractors and material suppliers proposed to undertake a portion of the Goods and Services (use the spaces provided and/or attach additional pages, if necessary):

|  |  |  |  |
| --- | --- | --- | --- |
| *Description of Goods & Services* | *Sub-Contractors & Material Suppliers Names* | *Years of Working with Contractor* | *Telephone Number and Email* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. I/We the undersigned duly authorized representatives of the Contractor, having received and carefully reviewed the RFQ and the Agreement, submit this Quotation in response to the RFQ.

**This Quotation** is offered by the Contractor this \_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 202\_.

**CONTRACTOR**

**I/We have the authority to bind the Contractor.**

(Legal Name of Contractor)

(Signature of Authorized Signatory) (Signature of Authorized Signatory)

(Print Name and Position of Authorized Signatory) (Print Name and Position of Authorized Signatory)

Attachments:

* Schedule B-1 – CNG Fueled Truck Preferred Technical Specifications Response Form
* Schedule B-2 – Diesel Fueled Truck Preferred Technical Specifications Response Form
* Schedule B-3 – Electric Vehicle (EV) Tandem Axle Truck Preferred Technical Specifications Response Form
* *(Identify additional attachments)*

SCHEDULE B-1 – CNG Fueled truck PREFERRED TECHNICAL SPECIFICATIONS Response Form

*Note: Other than entering data in the spaces provided, or including attachments as necessary, make changes to this form or submitting an alternate format is discouraged. If space is insufficient, additional pages may be added as necessary.*

These Specifications are the preferred Specifications necessary to establish functional and technical requirements. The Goods shall meet or exceed these Specifications. The City is relying on the Contractor to verify suitability and safety of materials, components, equipment, systems and items. Compatibility is of the essence and any modification, accessory, device, material or type of construction which may be necessary shall be considered to be a part of these Specifications whether detailed by item or not.

*(Note: Set out in detail how your technical and functional solution meets the Specifications. Clearly identify any variance with the Specifications including where conflicts or deviations may exist between your proposed solution and the Specifications or substitutions are recommended. If no substitutions, deviations or conflicts are identified, the City will consider that the equipment offered is in strict compliance with these Specifications.)*

Contractors are directed to list complete manufacturers’ details of model proposed in the right-most column under manufacturers’ specifications.

| **Preferred Technical Specifications** | **√**  **(Yes)** | **√**  **(No)** | **Manufacturers’ Specifications of Goods Offered. Contractor should complete all spaces in this column.** |
| --- | --- | --- | --- |
| 1. **EXTERIOR** | | | |
| 1. The chassis should have a weight rating of approximately 27,000 kgs GVWR should be no less than 36,000 kgs GCWR | □ | □ |  |
| 1. The wheelbase will be 220” approx. (To fit a 16’6” Dump Box approx.). Allow for hydraulic tank between cab and dump box. Please provide details. Chassis provider to confirm with Langfab/Commercial Truck Equipment for the optimal wheelbase | □ | □ |  |
| 1. Front bumper, full width and from either side of chassis rail, painted black, c/w two tow hooks | □ | □ |  |
| 1. Mirrors, two outside west coast style, heat and remote control switched from inside cab, stainless steel backs, c/w 2 auxiliary convex mirrors attached to main mirrors, one each side | □ | □ |  |
| 1. All lights to comply with BC Provincial/Federal Laws. | □ | □ |  |
| 1. Head lights high/low beam to be LED or upgraded to LED lamps and aligned. | □ | □ |  |
| 1. LED lights for directional lights (including 4-way flashers) | □ | □ |  |
| 1. Cab roof lights to be LED | □ | □ |  |
| 1. Mirrors to have LED lights | □ | □ |  |
| 1. Additional switching to be supplied for snowplow lighting package (lights supplied by Commercial Truck Equipment | □ | □ |  |
| 1. Rear stop/tail/indicator lights LED, including license plate light | □ | □ |  |
| 1. Additional stop/tail/indicators lights will be included in the dump box | □ | □ |  |
| 1. Two additional LED reverse lights mounted either side of tow hitch | □ | □ |  |
| 1. Mud flaps to be installed behind the from wheels, and in front of and behind the tandem axle wheels | □ | □ |  |
| 1. The cab shall be painted white | □ | □ |  |
| 1. Cab mounted grab handles – both sides | □ | □ |  |
| 1. Conventional cab with tilt hood and stationary grill, | □ | □ |  |
| 1. Aluminum flat roof cab, 114-inch BBC | □ | □ |  |
| 1. Cab to have drip moldings | □ | □ |  |
| 1. Composite exterior sun visor | □ | □ |  |
| 1. Horizontal exhaust with muffler, mounted right hand side, with tailpipe not exiting directly to the ground, to reduce dust nuisance | □ | □ |  |
| 1. Boot brushes to be mounted on the lower step on both sides of the truck | □ | □ |  |
| 1. Audible backup alarm, Grote part # 73040 97 dBA to be provided and installed | □ | □ |  |
| 1. Dual roof mounted polished air horns, as well as dual electric horns | □ | □ |  |
| 1. Right side lower door visibility window | □ | □ |  |
| 1. ABS and trailer light wiring to rear of chassis | □ | □ |  |
| 1. Two beacon lights mounted on dump box – LED amber Whelen (R2LPPA), | □ | □ |  |
| 1. Corrosion protection of frame. Cab protection shall also be applied – please provide details of offering | □ | □ |  |
| 1. 1-piece bonded heated wiper park solar green glass windshield | □ | □ |  |
| 1. **CNG FUEL SYSTEM & TANKS** | | | |
| 1. Fuel Tank – AGILITY INST - DRLG-PREP 45 DGE @ 3600 psi HDPE/CARBON fiber CNG Agility tank, RH, 5th GEN, type 4 tank mounted on the driver’s side. The tank shall be mounted as far forward as possible below the driver’s door and tucked between cab steps and chassis rail. The tank shall have quality painted aluminum cover with integrated polished cab steps. 25-inch diameter tanks | □ | □ |  |
| 1. Fuel Tank - AGILITY INST - DRLG-PREP 45 DGE @ 3600 psi HDPE/CARBON FIBER CNG Agility tank, LH, 5th GEN type 4 tank mounted on the passenger’s side of the truck. The tank shall be mounted as far forward as possible, below the passengers side door and tucked between cab steps and chassis rail. The tank shall have quality painted aluminum cover with integrated polished cab steps. 25-inch diameter tanks. | □ | □ |  |
| 1. Left hand side CNG NGV1 standard fill receptacle and dust caps with additional high flow and defueler receptacles | □ | □ |  |
| 1. **INTERIOR & INSTRUMENTS** | | | |
| 1. Driver’s seat, premium Isringhausen high back with air suspension, and two air lumbar, integrated cushion extension, tilt, and adjustable shock, with dual arm rests. | □ | □ |  |
| 1. Passengers seat, basic Isringhausen high back air suspension passenger seat with mechanical lumbar and integrated cushion extension, with dual arm rests | □ | □ |  |
| 1. High visibility orange seat belts will be provided. | □ | □ |  |
| 1. Heater/Defroster/Air Conditioning: Multiple speed | □ | □ |  |
| 1. Wipers, two speed plus variable intermittent settings | □ | □ |  |
| 1. Windscreen washers with two-gallon reservoir, electric pump | □ | □ |  |
| 1. Windscreen shall be electrically heated | □ | □ |  |
| 1. Sun visors – 2 internal, driver, passenger padded | □ | □ |  |
| 1. Interior lights, dome mounted with switch and door activated | □ | □ |  |
| 1. Instruments, full instrumentation as standard on bid model, including engine hour meter, tachometer, air gauges. Gauges are to be supplied as opposed to lights. Engine low level alarm system.   Outside temperature gauge included. | □ | □ |  |
| 1. An electronic engine speed control to be supplied | □ | □ |  |
| 1. Electronic cruise control | □ | □ |  |
| 1. A diagnostic display with data linked to send warnings to service centre | □ | □ |  |
| 1. Drivers and passenger’s doors to have power windows | □ | □ |  |
| 1. Left-hand and right-hand electric door locks | □ | □ |  |
| 1. Fully insulated rubber floor mats for both driver and passenger | □ | □ |  |
| 1. Cobra 29NW CB radio to be provided and installed in the overhead console | □ | □ |  |
| 1. An AM/FM stereo radio with Bluetooth | □ | □ |  |
| 1. Discussion with the suppliers of the IQAN system and the Epoke salt spreader shall take place prior to the fitment of any controls in the cab to confirm layout configuration. | □ | □ |  |
| 1. An aluminum storage box shall be fitted between the driver’s and passenger’s seats for the driver store items. The box shall not interfere with any of the driver controls including gear shift, IQAN and Epoke control displays. A cup holder should also be attached to the storage box | □ | □ |  |
| 1. **CHASSIS, SUSPENSION, AXLES AND BRAKES** | | | |
| 1. Front axle – 20,000 lb drop single front axle rate set back configuration | □ | □ |  |
| 1. Front axle – 20,000 Ib taper leaf springs with shock absorbers | □ | □ |  |
| 1. Front brakes - Meritor 16.5x6 Q+ cast spider cam front brakes, double anchor, fabricated shoes | □ | □ |  |
| 1. Haldex automatic front slack adjusters | □ | □ |  |
| 1. Non-asbestos front brake lining | □ | □ |  |
| 1. Conmet cast iron front brake drums | □ | □ |  |
| 1. Power steering pump, 4 - quart reservoir, power steering cooler | □ | □ |  |
| 1. TRW THP-60 power steering with RCH 45 auxiliary gear | □ | □ |  |
| 1. Rear axles – Meritor 46-146, 46,000 lb tandem axle configuration | □ | □ |  |
| 1. Diff ratio 4.56 to 1 to be confirmed based off Allison scaan | □ | □ |  |
| 1. Driver controlled traction control on both tandem axles | □ | □ |  |
| 1. 1 - interaxle lock valve, 1 - driver controlled differential lock forward-rear axle valve and 1 - rear-rear axle valve | □ | □ |  |
| 1. MXL 18T Meritor extended lube main driveline with half round yokes | □ | □ |  |
| 1. MXL 17T Meritor extended lube interaxle driveline with half round yokes | □ | □ |  |
| 1. Hendrickson RTE - 46,000 Ibs rear suspension | □ | □ |  |
| 1. Fore/aft and transverse control rods | □ | □ |  |
| 1. Rear shock absorbers on front axle of tandem | □ | □ |  |
| 1. 54” axle spacing | □ | □ |  |
| 1. Rear brakes - Meritor 16.5x7 Q+ cast spider cam rear brakes, double anchor, fabricated shoes | □ | □ |  |
| 1. Non-asbestos rear brake linings | □ | □ |  |
| 1. Asphalt spreader clearance rear brake pot geometry | □ | □ |  |
| 1. Conmet cast iron rear brake drums | □ | □ |  |
| 1. MGM Haldex long stroke 30/36 brake chambers installed on the drive axles | □ | □ |  |
| 1. Chassis rail shall be clear from the rear of the cab to allow for the installation CNG tanks either side of the truck | □ | □ |  |
| 1. Frame (24” front frame extension for snowplow) High tensile steel single straight frame rail, bolted with steel cross members. Provide details | □ | □ |  |
| 1. **BRAKE SYSTEMS** | | | |
| 1. Wabco ABS 4S/4B | □ | □ |  |
| 1. 18.7 CFM air compressor with internal safety valve | □ | □ |  |
| 1. Air dryer with heater mounted inboard chassis rail | □ | □ |  |
| 1. Pull cables on air tanks for easy accessibility for drivers | □ | □ |  |
| 1. Air tanks to be mounted on inside of chassis rail | □ | □ |  |
| 1. Air connections to end of frame with glad hands for truck and dust covers | □ | □ |  |
| 1. **WHEELS & TIRES** | | | |
| 1. 2 – Alocoa 22.5” x 13” 10-hub pilot 4.68 inset aluminum disc front wheels | □ | □ |  |
| 1. 8 – Alocoa 22.5” x 8.25” 10-hub pilot aluminum disc rear wheels | □ | □ |  |
| 1. Polish outside of front wheels | □ | □ |  |
| 1. Polish outside of outer rear wheels | □ | □ |  |
| 1. Front tires – Michelin XZY-3, 445/65R22.5 20ply radials | □ | □ |  |
| 1. Rear tires – Michelin X Multi D 11R22.5 14 ply radial | □ | □ |  |
| 1. **ENGINE & ENGINE ACCESSORIES** | | | |
| 1. Cummins ISX12N 400 HP @1800 rpm, 1450lb-ft @ 1200 rpm | □ | □ |  |
| 1. Engine to meet or exceed current Federal and Provincial engine emission standards | □ | □ |  |
| 1. 12-volt 160-amp brushless alternator | □ | □ |  |
| 1. 3 - batteries with minimum of 3000 CCA with night switch | □ | □ |  |
| 1. Battery box to be supplied with aluminum cover. The batteries will likely have to be moved and located in an appropriate area due to the mounting CNG tanks, dump box and hydraulic control components. | □ | □ |  |
| 1. Engine fan clutch | □ | □ |  |
| 1. Antifreeze to -34F, (nitrite and silicate free) extended life coolant | □ | □ |  |
| 1. **TRANSMISSION** | | | |
| 1. Allison 4500 RDS automatic transmission with PTO provision, 6 speed | □ | □ |  |
| 1. PTO mounting, LH side and top RH side of main transmission | □ | □ |  |
| 1. Transmission oil check and fill with electronic oil level check | □ | □ |  |
| 1. Synthetic transmission fluid (TES-295 compliant) | □ | □ |  |
| 1. Transmission cooler provided | □ | □ |  |
| 1. **FILTERS, BELTS AND SERIAL NUMBERS** | | | |
| 1. Filters: All filters for the first major service for complete truck to be provided. | □ | □ |  |
| 1. Belts, a list of part numbers for all belts used on truck. | □ | □ |  |
| 1. **TRAINING** | | | |
| 1. At dealer expense, provide training for drivers (1 per truck) and training for mechanic. All expenses paid by dealer. | □ | □ |  |
| 1. Provide the City of Surrey with access to diagnostic software to trouble shoot and repair faults | □ | □ |  |
| 1. **STANDARDS** | | | |
| 1. Vehicle must comply with government regulations and requirements:   • Federal Government Motor Vehicle Standards  • BC Motor Vehicle Act and Regulations  • BC Workers’ Compensation Board Regulations  • BC Emissions Standards  • Vehicle shall be delivered with CVIP  • Vehicle shall be delivered, plated and insured through the City of Surrey’s Insurance Broker | □ | □ |  |
| 1. **STANDARD WARRANTY (provide details)** | | | |
| * Engine * Power Train * Chassis * Corrosion | □ | □ |  |
| 1. **EXTENDED WARRANTY (provide specific details & costs), MISCELLANEOUS** | | | |
| 1. Provide extended warranty and costs for:  * Engine, * Engine emission components * Transmission, power train * Chassis * Dump Box | □ | □ |  |
| 1. Operators Manuals / Service Manuals  * 1 – Service manual or CD with software * A build sheet shall be provided detailing (but not limited to the following): * VIN * Engine details including serial number * Transmission details including serial number * Diff details including serial number * Oil types and quantities for all components * Tire make, type and size * Engine belts details * Filter list for all components * Battery details * Beacon light make * Body and hydraulic components * Salt Spreader * Snowplow | □ | □ |  |
| 1. Keys: 3 sets with each unit | □ | □ |  |
| 1. Number One First Aid Kit (Hard Case) | □ | □ |  |
| 1. 5 lb. Fire Extinguisher – Mounted | □ | □ |  |
| 1. **DUMP BOX AND ACCESSORIES** | | | |
| 1. Aluminum box 16.6 foot long with high lift tailgate as per Langfab quote #QT10420 | □ | □ |  |
| 1. **IQAN HYDRAULIC SYSTEM, AND FRONT MOUNT PLOW,** | | | |
| 1. As per Commercial Truck Equipment Co. quote # 7GB221665 | □ | □ |  |
| 1. **EPOKE SALT SPREADER** | | | |
| 1. Epoke Salt Spreader including installation as per Vimar Equipment quote 060222 | □ | □ |  |

SCHEDULE B-2 – diesel fueled truck PREFERRED TECHNICAL SPECIFICATIONS Response Form

*Note: Other than entering data in the spaces provided, or including attachments as necessary, make changes to this form or submitting an alternate format is discouraged. If space is insufficient, additional pages may be added as necessary.*

These Specifications are the preferred Specifications necessary to establish functional and technical requirements. The Goods shall meet or exceed these Specifications. The City is relying on the Contractor to verify suitability and safety of materials, components, equipment, systems and items. Compatibility is of the essence and any modification, accessory, device, material or type of construction which may be necessary shall be considered to be a part of these Specifications whether detailed by item or not.

*(Note: Set out in detail how your technical and functional solution meets the Specifications. Clearly identify any variance with the Specifications including where conflicts or deviations may exist between your proposed solution and the Specifications or substitutions are recommended. If no substitutions, deviations or conflicts are identified, the City will consider that the equipment offered is in strict compliance with these Specifications.)*

Contractors are directed to list complete manufacturers’ details of model proposed in the right-most column under manufacturers’ specifications.

| **Preferred Technical Specifications** | **√**  **(Yes)** | **√**  **(No)** | **Manufacturers’ Specifications of Goods Offered. Contractor should complete all spaces in this column.** |
| --- | --- | --- | --- |
| 1. **EXTERIOR** | | | |
| 1. The chassis should have a weight rating of approximately 27,000 kgs GVWR should be no less than 50,000 kgs GCWR | □ | □ |  |
| 1. The wheelbase will be 220” approx. (To fit a 16’6” Dump Box approx.). Allow for hydraulic tank between cab and dump box. Please provide details. Chassis provider to confirm with Langfab/Commercial Truck Equipment for the optimal wheelbase | □ | □ |  |
| 1. Front bumper, full width and from either side of chassis rail, painted black, c/w two tow hooks | □ | □ |  |
| 1. Mirrors, two outside west coast style, heat and remote control switched from inside cab, stainless steel backs, c/w 2 auxiliary convex mirrors attached to main mirrors, one each side | □ | □ |  |
| 1. All lights to comply with BC Provincial/Federal Laws. | □ | □ |  |
| 1. Head lights high/low beam to be LED or upgraded to LED lamps and aligned. | □ | □ |  |
| 1. LED lights for directional lights (including 4-way flashers) | □ | □ |  |
| 1. Cab roof lights to be LED | □ | □ |  |
| 1. Mirrors to have LED lights | □ | □ |  |
| 1. Additional switching to be supplied for snowplow lighting package (lights supplied by Commercial Truck Equipment | □ | □ |  |
| 1. Rear stop/tail/indicator lights LED, including license plate light | □ | □ |  |
| 1. Additional stop/tail/indicators lights will be included in the dump box | □ | □ |  |
| 1. Two additional LED reverse lights mounted either side of tow hitch | □ | □ |  |
| 1. Mud flaps to be installed behind the from wheels, and in front of and behind the tandem axle wheels | □ | □ |  |
| 1. The cab shall be painted white | □ | □ |  |
| 1. Cab mounted grab handles – both sides | □ | □ |  |
| 1. Conventional cab with tilt hood and stationary grill, | □ | □ |  |
| 1. Aluminum flat roof cab, 114-inch BBC | □ | □ |  |
| 1. Cab to have drip moldings | □ | □ |  |
| 1. Composite exterior sun visor | □ | □ |  |
| 1. Vertical Exhaust, with muffler guard, and guarding around any exposed pipe which could pose a burn hazard | □ | □ |  |
| 1. Boot brushes to be mounted on the lower step on both sides of the truck | □ | □ |  |
| 1. Audible backup alarm, Grote part # 73040 97 dBA to be provided and installed | □ | □ |  |
| 1. Dual roof mounted polished air horns, as well as dual electric horns | □ | □ |  |
| 1. Right side lower door visibility window | □ | □ |  |
| 1. ABS and trailer light wiring to rear of chassis | □ | □ |  |
| 1. Two beacon lights mounted on dump box – LED amber Whelen (R2LPPA), | □ | □ |  |
| 1. Corrosion protection of frame. Cab protection shall also be applied – please provide details of offering | □ | □ |  |
| 1. 1-piece bonded heated wiper park solar green glass windshield | □ | □ |  |
| 1. **DIESEL FUEL TANK** | | | |
| 1. Polished aluminum tank with a minimum capacity of 80 gallons | □ | □ |  |
| 1. **INTERIOR & INSTRUMENTS** | | | |
| 1. Driver’s seat, premium Isringhausen high back with air suspension, and two air lumbar, integrated cushion extension, tilt, and adjustable shock, with dual arm rests. | □ | □ |  |
| 1. Passengers seat, basic Isringhausen high back air suspension passenger seat with mechanical lumbar and integrated cushion extension, with dual arm rests | □ | □ |  |
| 1. High visibility orange seat belts will be provided. | □ | □ |  |
| 1. Heater/Defroster/Air Conditioning: Multiple speed | □ | □ |  |
| 1. Wipers, two speed plus variable intermittent settings | □ | □ |  |
| 1. Windscreen washers with two-gallon reservoir, electric pump | □ | □ |  |
| 1. Windscreen shall be electrically heated | □ | □ |  |
| 1. Sun visors – 2 internal, driver, passenger padded | □ | □ |  |
| 1. Interior lights, dome mounted with switch and door activated | □ | □ |  |
| 1. Instruments, full instrumentation as standard on bid model, including engine hour meter, tachometer, air gauges. Gauges are to be supplied as opposed to lights. Engine low level alarm system. Outside temperature gauge included. | □ | □ |  |
| 1. An electronic engine speed control to be supplied | □ | □ |  |
| 1. Electronic cruise control | □ | □ |  |
| 1. A diagnostic display with data linked to send warnings to service centre | □ | □ |  |
| 1. Drivers and passenger’s doors to have power windows | □ | □ |  |
| 1. Left-hand and right-hand electric door locks | □ | □ |  |
| 1. Fully insulated rubber floor mats for both driver and passenger | □ | □ |  |
| 1. Cobra 29NW CB radio to be provided and installed in the overhead console | □ | □ |  |
| 1. An AM/FM stereo radio with Bluetooth | □ | □ |  |
| 1. Discussion with the suppliers of the IQAN system and the Epoke salt spreader shall take place prior to the fitment of any controls in the cab to confirm layout configuration. | □ | □ |  |
| 1. An aluminum storage box shall be fitted between the driver’s and passenger’s seats for the driver store items. The box shall not interfere with any of the driver controls including gear shift, IQAN and Epoke control displays. A cup holder should also be attached to the storage box | □ | □ |  |
| 1. **CHASSIS, SUSPENSION, AXLES AND BRAKES** | | | |
| 1. Front axle – 20,000 lb, drop single front axle rate set back configuration | □ | □ |  |
| 1. Front axle – 20,000 Ib taper leaf springs with shock absorbers | □ | □ |  |
| 1. Front brakes - Meritor 16.5x6 Q+ cast spider cam front brakes, double anchor, fabricated shoes | □ | □ |  |
| 1. Haldex automatic front slack adjusters | □ | □ |  |
| 1. Non-asbestos front brake lining | □ | □ |  |
| 1. Conmet cast iron front brake drums | □ | □ |  |
| 1. Power steering pump, 4 - quart reservoir, power steering cooler | □ | □ |  |
| 1. TRW THP-60 power steering with RCH 45 auxiliary gear | □ | □ |  |
| 1. Rear axles – Meritor 46-146, 46,000 lb tandem axle configuration | □ | □ |  |
| 1. Diff ratio 4.56 to 1 to be confirmed based off Allison scaan | □ | □ |  |
| 1. Driver controlled traction control on both tandem axles | □ | □ |  |
| 1. 1 - interaxle lock valve, 1 - driver controlled differential lock forward-rear axle valve and 1 - rear-rear axle valve | □ | □ |  |
| 1. MXL 18T Meritor extended lube main driveline with half round yokes | □ | □ |  |
| 1. MXL 17T Meritor extended lube interaxle driveline with half round yokes | □ | □ |  |
| 1. Hendrickson RT - 46,000 Ibs rear suspension | □ | □ |  |
| 1. Fore/aft and transverse control rods | □ | □ |  |
| 1. Rear shock absorbers on front axle of tandem | □ | □ |  |
| 1. 54” axle spacing | □ | □ |  |
| 1. Rear brakes - Meritor 16.5x7 Q+ cast spider cam rear brakes, double anchor, fabricated shoes | □ | □ |  |
| 1. Non-asbestos rear brake linings | □ | □ |  |
| 1. Asphalt spreader clearance rear brake pot geometry | □ | □ |  |
| 1. Conmet cast iron rear brake drums | □ | □ |  |
| 1. MGM Haldex long stroke 30/36 brake chambers installed on the drive axles | □ | □ |  |
| 1. Frame (24” front frame extension for snowplow) High tensile steel single straight frame rail, bolted with steel cross members. Provide details | □ | □ |  |
| 1. **BRAKE SYSTEMS** | | | |
| 1. Wabco ABS 4S/4B | □ | □ |  |
| 1. 18.7 CFM air compressor with internal safety valve | □ | □ |  |
| 1. Air dryer with heater mounted inboard chassis rail | □ | □ |  |
| 1. Pull cables on air tanks for easy accessibility for drivers | □ | □ |  |
| 1. Air tanks to be mounted on inside of chassis rail | □ | □ |  |
| 1. Air connections to end of frame with glad hands for truck and dust covers | □ | □ |  |
| 1. **WHEELS & TIRES** | | | |
| 1. 2 – Alocoa 22.5” x 13” 10-hub pilot 4.68 inset aluminum disc front wheels | □ | □ |  |
| 1. 8 – Alocoa 22.5” x 8.25” 10-hub pilot aluminum disc rear wheels | □ | □ |  |
| 1. Polish outside of front wheels | □ | □ |  |
| 1. Polish outside of outer rear wheels | □ | □ |  |
| 1. Front tires – Michelin XZY-3, 445/65R22.5 20ply radials | □ | □ |  |
| 1. Rear tires – Michelin X Multi D 11R22.5 14 ply radial | □ | □ |  |
| 1. **ENGINE & ENGINE ACCESSORIES** | | | |
| 1. Engine to meet or exceed current Federal and Provincial engine emission standards | □ | □ |  |
| 1. 450 HP 13-litre engine (approx.) @1900 rpm electronically controlled, peak torque 1650 ft./lb @ 900 rpm, | □ | □ |  |
| 1. Engine brake, controlled form cab, with 3 stage setting | □ | □ |  |
| 1. Racor or similar fuel/water separator | □ | □ |  |
| 1. Provide complete engine spec/data sheet - options | □ | □ |  |
| 1. 12-volt 160-amp brushless alternator | □ | □ |  |
| 1. 3 - batteries with minimum of 3000 CCA with night switch | □ | □ |  |
| 1. Battery box to be supplied with aluminum cover. The batteries will likely have to be moved and located in an appropriate area due to the mounting, dump box and hydraulic control components. | □ | □ |  |
| 1. Engine fan clutch | □ | □ |  |
| 1. Antifreeze to -34F, (nitrite and silicate free) extended life coolant | □ | □ |  |
| 1. **TRANSMISSION** | | | |
| 1. Allison 4500 RDS automatic transmission with PTO provision, 6 speed | □ | □ |  |
| 1. PTO mounting, LH side and top RH side of main transmission | □ | □ |  |
| 1. Transmission oil check and fill with electronic oil level check | □ | □ |  |
| 1. Synthetic transmission fluid (TES-295 compliant) | □ | □ |  |
| 1. Transmission cooler provided | □ | □ |  |
| 1. **FILTERS, BELTS AND SERIAL NUMBERS** | | | |
| 1. Filters: All filters for the first major service for complete truck to be provided. | □ | □ |  |
| 1. Belts, a list of part numbers for all belts used on truck. | □ | □ |  |
| 1. **TRAINING** | | | |
| 1. At dealer expense, provide training for drivers (1 per truck) and training for mechanic. All expenses paid by dealer. | □ | □ |  |
| 1. Provide the City of Surrey with access to diagnostic software to trouble shoot and repair faults | □ | □ |  |
| 1. **STANDARDS** | | | |
| 1. Vehicle must comply with government regulations and requirements:   • Federal Government Motor Vehicle Standards  • BC Motor Vehicle Act and Regulations  • BC Workers’ Compensation Board Regulations  • BC Emissions Standards  • Vehicle shall be delivered with CVIP  • Vehicle shall be delivered, plated and insured through the City of Surrey’s Insurance Broker | □ | □ |  |
| 1. **STANDARD WARRANTY (provide details)** | | | |
| * Engine * Power Train * Chassis * Corrosion | □ | □ |  |
| 1. **EXTENDED WARRANTY (provide specific details & costs), MISCELLANEOUS** | | | |
| 1. Provide extended warranty and costs for:  * Engine, * Engine emission components * Transmission, power train * Chassis * Dump Box | □ | □ |  |
| 1. Operators Manuals / Service Manuals  * 1 – Service manual or CD with software * A build sheet shall be provided detailing (but not limited to the following): * VIN * Engine details including serial number * Transmission details including serial number * Diff details including serial number * Oil types and quantities for all components * Tire make, type and size * Engine belts details * Filter list for all components * Battery details * Beacon light make * Body and hydraulic components * Salt Spreader * Snowplow | □ | □ |  |
| 1. Keys: 3 sets with each unit | □ | □ |  |
| 1. Number One First Aid Kit (Hard Case) | □ | □ |  |
| 1. 5 lb. Fire Extinguisher – Mounted | □ | □ |  |
| 1. **DUMP BOX AND ACCESSORIES** | | | |
| 1. Aluminum box 16.6 foot long with high lift tailgate as per Langfab quote #QT10420 | □ | □ |  |
| 1. **IQAN HYDRAULIC SYSTEM, AND FRONT MOUNT PLOW,** | | | |
| 1. As per Commercial Truck Equipment Co. quote # 7GB221665 | □ | □ |  |
| 1. **EPOKE SALT SPREADER** | | | |
| 1. Epoke Salt Spreader including installation as per Vimar Equipment quote 060222 | □ | □ |  |

SCHEDULE B-3 – ELECTRIC VEHICLE (EV) TANDEM AXLE TRUCK PREFERRED TECHNICAL SPECIFICATIONS Response Form

*Note: Other than entering data in the spaces provided, or including attachments as necessary, make changes to this form or submitting an alternate format is discouraged. If space is insufficient, additional pages may be added as necessary.*

These Specifications are the preferred Specifications necessary to establish functional and technical requirements. The Goods shall meet or exceed these Specifications. The City is relying on the Contractor to verify suitability and safety of materials, components, equipment, systems and items. Compatibility is of the essence and any modification, accessory, device, material or type of construction which may be necessary shall be considered to be a part of these Specifications whether detailed by item or not.

*(Note: Set out in detail how your technical and functional solution meets the Specifications. Clearly identify any variance with the Specifications including where conflicts or deviations may exist between your proposed solution and the Specifications or substitutions are recommended. If no substitutions, deviations or conflicts are identified, the City will consider that the equipment offered is in strict compliance with these Specifications.)*

Contractors are directed to list complete manufacturers’ details of model proposed in the right-most column under manufacturers’ specifications.

| **Preferred Technical Specifications** | **√**  **(Yes)** | **√**  **(No)** | **Manufacturers’ Specifications of Goods Offered. Contractor should complete all spaces in this column.** |
| --- | --- | --- | --- |
| 1. **EXTERIOR** | | | |
| 1. The chassis should have a weight rating of approximately 27,000 kgs GVWR should be no less than 50,000 kgs GCWR (Class 8) | □ | □ |  |
| 1. Provide load carrying capacity with dump box installed | □ | □ |  |
| 1. The wheelbase to suit dump box configuration. (To fit a 16’6” Dump Box approx.). Allow for hydraulic tank between cab and dump box. Please provide details. Chassis provider to confirm with Langfab/Commercial Truck Equipment for the optimal wheelbase | □ | □ |  |
| 1. Front bumper, full width and from either side of chassis rail, painted black, c/w two tow hooks | □ | □ |  |
| 1. Mirrors, two outside west coast style, heat and remote control switched from inside cab, stainless steel backs, c/w 2 auxiliary convex mirrors attached to main mirrors, one each side | □ | □ |  |
| 1. All lights to comply with BC Provincial/Federal Laws. | □ | □ |  |
| 1. Head lights high/low beam to be LED or upgraded to LED lamps and aligned. | □ | □ |  |
| 1. LED lights for directional lights (including 4-way flashers) | □ | □ |  |
| 1. Cab roof lights to be LED | □ | □ |  |
| 1. Mirrors to have LED lights | □ | □ |  |
| 1. Additional switching to be supplied for snowplow lighting package (lights supplied by Commercial Truck Equipment | □ | □ |  |
| 1. Rear stop/tail/indicator lights LED, including license plate light | □ | □ |  |
| 1. Additional stop/tail/indicators lights will be included in the dump box | □ | □ |  |
| 1. Two additional LED reverse lights mounted either side of tow hitch | □ | □ |  |
| 1. Mud flaps to be installed behind the from wheels, and in front of and behind the tandem axle wheels | □ | □ |  |
| 1. The cab shall be painted white | □ | □ |  |
| 1. Cab mounted grab handles – both sides | □ | □ |  |
| 1. Proponent to provide can details whether conventional or cab over configuration | □ | □ |  |
| 1. Cab to have drip moldings | □ | □ |  |
| 1. Composite exterior sun visor | □ | □ |  |
| 1. Boot brushes to be mounted on the lower step on both sides of the truck | □ | □ |  |
| 1. Audible backup alarm, Grote part # 73040 97 dBA to be provided and installed | □ | □ |  |
| 1. Dual roof mounted polished air horns, as well as dual electric horns | □ | □ |  |
| 1. Right side lower door visibility window | □ | □ |  |
| 1. ABS and trailer light wiring to rear of chassis | □ | □ |  |
| 1. Two beacon lights mounted on dump box – LED amber Whelen (R2LPPA), | □ | □ |  |
| 1. Corrosion protection of frame. Cab protection shall also be applied – please provide details of offering | □ | □ |  |
| 1. 1-piece bonded heated wiper park solar green glass windshield | □ | □ |  |
| 1. **BATTERIES & CHARGING** | | | |
| 1. Batteries to provide 300km range, as well as capacity to operate hydraulically powered from snowplow and Epoke salt spreader. | □ | □ |  |
| 1. Provide charging time, level II and level III charging station | □ | □ |  |
| 1. Provide details of hydro requirements for the equipment onsite for level III charging infrastructure | □ | □ |  |
| 1. **INTERIOR & INSTRUMENTS** | | | |
| 1. Driver’s seat, premium Isringhausen high back with air suspension, and two air lumbar, integrated cushion extension, tilt, and adjustable shock, with dual arm rests. | □ | □ |  |
| 1. Passengers seat, basic Isringhausen high back air suspension passenger seat with mechanical lumbar and integrated cushion extension, with dual arm rests | □ | □ |  |
| 1. High visibility orange seat belts will be provided. | □ | □ |  |
| 1. Heater/Defroster/Air Conditioning: Multiple speed | □ | □ |  |
| 1. Wipers, two speed plus variable intermittent settings | □ | □ |  |
| 1. Windscreen washers with two-gallon reservoir, electric pump | □ | □ |  |
| 1. Windscreen shall be electrically heated | □ | □ |  |
| 1. Sun visors – 2 internal, driver, passenger padded | □ | □ |  |
| 1. Interior lights, dome mounted with switch and door activated | □ | □ |  |
| 1. Instruments, full instrumentation as standard on bid model, including engine hour meter, air gauges. Gauges are to be supplied as opposed to lights. Outside temperature gauge included. | □ | □ |  |
| 1. Electronic cruise control | □ | □ |  |
| 1. A diagnostic display with data linked to send warnings to service centre | □ | □ |  |
| 1. Drivers and passenger’s doors to have power windows | □ | □ |  |
| 1. Left-hand and right-hand electric door locks | □ | □ |  |
| 1. Fully insulated rubber floor mats for both driver and passenger | □ | □ |  |
| 1. Cobra 29NW CB radio to be provided and installed in the overhead console | □ | □ |  |
| 1. An AM/FM stereo radio with Bluetooth | □ | □ |  |
| 1. Discussion with the suppliers of the IQAN system and the Epoke salt spreader shall take place prior to the fitment of any controls in the cab to confirm layout configuration. | □ | □ |  |
| 1. An aluminum storage box shall be fitted between the driver’s and passenger’s seats for the driver store items. The box shall not interfere with any of the driver controls including gear shift, IQAN and Epoke control displays. A cup holder should also be attached to the storage box | □ | □ |  |
| 1. **CHASSIS, SUSPENSION, AXLES AND BRAKES** | | | |
| 1. Front axle – 20,000 lb drop single front axle rate set back configuration | □ | □ |  |
| 1. Front axle – 20,000 Ibs taper leaf springs with shock absorbers | □ | □ |  |
| 1. Front brakes - Meritor 16.5x6 Q+ cast spider cam front brakes, double anchor, fabricated shoes | □ | □ |  |
| 1. Haldex automatic front slack adjusters | □ | □ |  |
| 1. Non-asbestos front brake lining | □ | □ |  |
| 1. Conmet cast iron front brake drums | □ | □ |  |
| 1. Power steering pump, 4 - quart reservoir, power steering cooler | □ | □ |  |
| 1. TRW THP-60 power steering with RCH 45 auxiliary gear | □ | □ |  |
| 1. Rear axles – Meritor 46-146, 46,000 lb tandem axle configuration | □ | □ |  |
| 1. Driver controlled traction control on both tandem axles | □ | □ |  |
| 1. 1 - interaxle lock valve, 1 - driver controlled differential lock forward-rear axle valve and 1 - rear-rear axle valve | □ | □ |  |
| 1. MXL 18T Meritor extended lube main driveline with half round yokes | □ | □ |  |
| 1. MXL 17T Meritor extended lube interaxle driveline with half round yokes | □ | □ |  |
| 1. Hendrickson RT - 46,000 Ibs rear suspension | □ | □ |  |
| 1. Fore/aft and transverse control rods | □ | □ |  |
| 1. Rear shock absorbers on front axle of tandem | □ | □ |  |
| 1. 54” axle spacing | □ | □ |  |
| 1. Rear brakes - Meritor 16.5x7 Q+ cast spider cam rear brakes, double anchor, fabricated shoes | □ | □ |  |
| 1. Non-asbestos rear brake linings | □ | □ |  |
| 1. Asphalt spreader clearance rear brake pot geometry | □ | □ |  |
| 1. Conmet cast iron rear brake drums | □ | □ |  |
| 1. MGM Haldex long stroke 30/36 brake chambers installed on the drive axles | □ | □ |  |
| 1. Frame (24” front frame extension for snowplow) High tensile steel single straight frame rail, bolted with steel cross members. Provide details | □ | □ |  |
| 1. **BRAKE SYSTEMS** | | | |
| 1. Wabco ABS 4S/4B | □ | □ |  |
| 1. 18.7 CFM air compressor with internal safety valve | □ | □ |  |
| 1. Air dryer with heater mounted inboard chassis rail | □ | □ |  |
| 1. Pull cables on air tanks for easy accessibility for drivers | □ | □ |  |
| 1. Air tanks to be mounted on inside of chassis rail | □ | □ |  |
| 1. Air connections to end of frame with glad hands for truck and dust covers | □ | □ |  |
| 1. **WHEELS & TIRES** | | | |
| 1. 2 – Alocoa 22.5” x 13” 10-hub pilot 4.68 inset aluminum disc front wheels | □ | □ |  |
| 1. 8 – Alocoa 22.5” x 8.25” 10-hub pilot aluminum disc rear wheels | □ | □ |  |
| 1. Polish outside of front wheels | □ | □ |  |
| 1. Polish outside of outer rear wheels | □ | □ |  |
| 1. Front tires – Michelin XZY-3, 445/65R22.5 20ply radials | □ | □ |  |
| 1. Rear tires – Michelin X Multi D 11R22.5 14 ply radial | □ | □ |  |
| 1. **MOTOR & TRANSMISSION** | | | |
| 1. Provide detail of motor(s) and transmission configuration | □ | □ |  |
| 1. Provide details on how the hydraulic pump(s) would be driven to provide hydraulic power to operate 1) dumpbox and highlift tailgate, 2) front mounted snowplow, 3) salt spreader, 4) brine tank for applying brine to the street, 5) asphalt hotbox. Items 2 through 5 slide into the dumpbox. | □ | □ |  |
| 1. **FILTERS, BELTS AND SERIAL NUMBERS** | | | |
| 1. Provide detail of components and parts required for first major service for complete truck, these item to be provided with the truck. | □ | □ |  |
| 1. A list of part numbers for major components. | □ | □ |  |
| 1. **TRAINING** | | | |
| 1. At dealer expense, provide training for two drivers and training for two mechanics. All expenses paid by dealer. | □ | □ |  |
| 1. Provide the City of Surrey with access to diagnostic software to trouble shoot and repair faults | □ | □ |  |
| 1. **STANDARDS** | | | |
| 1. Vehicle must comply with government regulations and requirements:    * + Federal Government Motor Vehicle Standards      + BC Motor Vehicle Act and Regulations      + BC Workers’ Compensation Board Regulations      + BC Emissions Standards      + Vehicle shall be delivered with CVIP   • Vehicle shall be delivered, plated and insured through the City of Surrey’s Insurance Broker | □ | □ |  |
| 1. **STANDARD WARRANTY (provide details)** | | | |
| * + Motors   + Power Train   + Batteries   + Chassis   + Corrosion | □ | □ |  |
| 1. **EXTENDED WARRANTY (provide specific details & costs), MISCELLANEOUS** | | | |
| 1. Provide extended warranty and costs for: 2. Motors 3. Batteries 4. Power train 5. Chassis 6. Dump Box | □ | □ |  |
| 1. Operators Manuals / Service Manuals:  * 1 – Service manual or CD with software * A build sheet shall be provided detailing (but not limited to the following):   + VIN   + Power Train   + Oil types and quantities for all components   + Tire make, type and size   + Battery details   + Beacon light make   + Body and hydraulic components   + Salt Spreader   + Snowplow | □ | □ |  |
| 1. Keys: 3 sets with each unit | □ | □ |  |
| 1. Number One First Aid Kit (Hard Case) | □ | □ |  |
| 1. 5 lb. Fire Extinguisher – Mounted | □ | □ |  |
| 1. **DUMP BOX AND ACCESSORIES** | | | |
| 1. Aluminum box 16.6 foot long with high lift tailgate as per Langfab quote #QT10420 | □ | □ |  |
| 1. **IQAN HYDRAULIC SYSTEM, AND FRONT MOUNT PLOW,** | | | |
| 1. As per Commercial Truck Equipment Co. quote # 7GB221665 | □ | □ |  |
| 1. **EPOKE SALT SPREADER** | | | |
| 1. Epoke Salt Spreader including installation as per Vimar Equipment quote 060222 | □ | □ |  |