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| **2020-2021** |  |  | **PART I** |
|  | **Specification**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses for 61 – 84 capacity.** | Vendor: The Lion Electric Co. USA Inc. |
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| **ITEM** | **SPECIFICATIONS**  Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | |
| Seating Capacity | 84 passenger maximum design capacity seated for 78 passenger. | | Capacity w/o lift 84 passengers | |
| Capacity w/lift 72+1WC | |
| Auxiliary Fans | 2 fans, 6” maximum, mounted to right and left windshield and service door. | | Mfr. Bergstrom | |
| Axle—Front | 13,200 lb. minimum total suspension GVWR. | | Mfr. Hendrickson | |
| Capacity 16,000 lb | |
| Axle—Rear | 23,000 lb. minimum total suspension GVWR. | | Mfr. Dana Spicer | |
| Capacity 23,000 lb | |
| Axle Oil Seals | Front and rear oil bath. | | Mfr. National | |
| Axle Ratio | Must comply with power and gradeability formula. Refer to Washington State School Bus Specifications Manual. | | Ratio 5.29 | |
| Back-up Lights | All required backup lights to be LED (Light Emitting Diode). Refer to Washington State School Bus Specification’s Manual. | | Round:  Diameter 7 in.  Other:  Square inches | |
| Battery(ies) | 1400 CCA 12 volt to be mounted in body battery compartment. | | Number of batteries 2 batteries | |
| CCA 950 CCA each | |
| Battery(ies) Propulsion | Battery propulsion must meet a minimum of 130 KWH. | | Number of batteries 4 batteries | |
| KWH 168 kWh | |
| Battery Compartment | Battery storage tray must be large enough to accommodate batteries as specified in chassis section. | | Swing out  Roll out | |
| Brakes | Air: Drum or Disc. If Drum, minimum 16.5” x 6” front, minimum 16.5” x 8” rear. Refer to Washington State School Bus Specifications Manual. | | Disc Front  Rear | |
| Drum Front  Rear | |
| Size Front Up to 17 inches Rear Up to 17 inches | |
| Door, Service | Power operated. | | Folding  Other  Roll out | |
| Split, Outward opening | |

PART I (cont.)

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|  |  | | | **Specification**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses for 61 – 84 capacity.** | | | | Vendor: The Lion Electric Co. USA |
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| **ITEM** | | | | **SPECIFICATIONS**  Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | | |
| Driver’s Seat | | | | Suspension type, 6-way adjustable, with lumbar adjustment. Cloth panel covers. | | | Mfr. National | | |
| Motor | | | | 190 H.P. minimum. | | | Engine mfr. Dana / TM4 | | |
| Model or liters TM4 | | |
| Net torque Up to 1,800 LB @       R.P.M | | |
| Net H.P. Up to 350 HP @ 2500 R.P.M | | |
| Heaters | | | | Minimum of 3 heaters; 1 front, 1 center, 1 rear. Shutoff valves at engine for all heaters. Two-speed motors. Must include recirculating pump. | | Front B.T.U. 90,000 (2x 45,000) | | | |
| Center B.T.U. 80,000 | | | |
| Rear B.T.U. 80,000 | | | |
| Total B.T.U. 250,000 | | | |
| Lights | | | | LED (Light Emitting Diode). Includes Clearance Lights, Stop Lights–7”, Tail Lights, Turn Signals, Eight-Light System, and Dome-Light System. | | Check if as specified  If not, explain | | | |
| P.A. System | | | | AM/FM/PA radio with 4 interior and 1 exterior speakers. | | Mfr. REI radio and speakers | | | |
| Model No. VR-3000 | | | |
| Seat Spacing | | | | 78 passenger based upon manufacturer’s maximum seat spacing. | | | Inside measurement from rear of stepwell to appropriate point at rear of passenger seating area: 445 inches | | |
| Mfg.’s C/C seat measurement: 26 inches | | |
| Steering Wheel | | | | Tilt and telescoping column. | | | Check if as specified | | |
| Step Tread | | | | Studded or pebbled top tread covering. | | | Mfr. RCA Rubbers, pebble | | |
| Tires | | | | 6 first quality, radial ply. No low profile tires. | | | Mfr. Goodyear or equivalen | | |
| Size 22.5x9 | | |
| Load range H | | |

PART I (cont.)

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|  |  | **Specification**  **TYPE D—84 PASSENGER, ELECTRIC** | Vendor: The Lion Electric Co. USA Inc. |  |
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**Use this document to bid both non-lift and lift buses for 61 – 84 capacity.**

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| **ITEM** | **SPECIFICATIONS**  Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | |
| Toolbox | Exterior, manufacturer standard. | | Size (cubic feet) 4.47 cubic feet | |
| Two-way Communications | 45-watt, VHF, mil. spec. | | Mfr. multiple options and brands available | |
| Model No. | |
| Wheels | 6 to be compatible with tire size. | | Size 12R | |
| Rim width 8.25 | |
|  | **SPECIAL NEEDS REQUIREMENTS—CHASSIS AND BODY** | | |  |
| Wheelchair  Lift—Installed | Must meet state specification. Platform shall be a minimum of 32” x 52”. | | Mfr. Braun | |
| Model No. Century | |
| Wheelchair/  Occupant Tie-down System—Installed | Must meet state specification. | | Mfr. Q-Straint | |
| Model No. QRT Product Line | |

PART I (cont.)

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|  |  | **Specification**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses for 61 – 84 capacity.** | Vendor: The Lion Electric Co. USA Inc. |
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| **ITEM** | | **SPECIFICATIONS**  Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | |
|  | | **ADDITIONAL REQUIREMENTS—CHASSIS AND BODY** | | |  |
| Line Setting Ticket | | Legible copy of manufacturer’s Line Setting Ticket will be delivered with each vendor’s packet at the time of delivery of the bus. | | Check if as specified | |
| Owner’s/Operator’s Handbook | | One copy of the chassis manufacturer’s owner’s/operator’s handbook or manual will be furnished with each bus at time of delivery. | | Check if as specified | |
| Repair Manuals | | A complete set of chassis, engine, transmission, and body repair manuals, including wiring diagram for all components, will be made available at time of delivery, with instructions available on accessing repair materials. | | Check if as specified | |
| Service and Cleaning | | Cleaning and service by vendor prior to delivery will include:   * Chassis lubrication. * Check fluid levels: verify all are at recommended full levels. * Cooling system protected at -20°F. * Interior and exterior will be clean (including glass). * All systems (electric, air, hydraulic, mechanical and manual) be inspected to ensure proper operation at time of delivery. * All components and accessories will be installed and operational at time of delivery. | | Check if as specified | |
| Warranty | | A complete copy of all warranty agreements will be furnished at time of delivery. | | Check if as specified | |

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| **2020-2021** | STUDENT TRANSPORTATION  Old Capitol Building  PO BOX 47200  Olympia, WA 98504-7200  (360) 725-6120 TTY (360) 664-3631  **VEHICLE DATA SHEET AND OFFICIAL PRICE QUOTATION**  **TYPE D—84 PASSENGER, ELECTRIC** | | |
|  | |  | |
| VENDOR’S COMPANY NAME  The Lion Electric Co. USA Inc | | REPRESENTATIVE’S NAME  Marc-Andre Page | TELEPHONE NUMBER  450-224-3297 |
| ADDRESS  1620 Industry Dr. SW, Auburn, WA, 98001 | | Estimated delivery date to school district from time purchase order is received: Up to 120 days  Firm where engine and chassis can be  serviced or repaired and parts obtained: Lion Experience Center, 1620 Industry Dr. SW, Auburn, WA, 98001  Firm where body can be serviced or repaired and parts obtained: Lion Experience Center, 1620 Industry Dr. SW, Auburn, WA, 98001 | |
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| **BODY** | | | | |
| MAKE  Lion | | Warranty: Years 5  Miles 100,000  Seat color: Grey  Floor color: Grey | Inside measurement from rear of stepwell to appropriate point at  rear of passenger seating area:  w/o lift 401.25 w/lift 401.25 | Equipped seating capacity:  w/o lift 84 w/lift 72+1  Overall vehicle length (inches):  w/o lift 471 w/lift 471 |
| MODEL  LionD | YEAR  2021 |

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| **CHASSIS** | | | **MOTOR** | | |
| MAKE  Lion | | Warranty: Years 5  Miles 100,000 | MANUFACTURER  Dana / TM4 | | Torque: 1800 @ 2500 RPM |
| MODEL  LionD | YEAR  2021 | Wheel base: 252 | MODEL  Sumo MD | YEAR  2021 | H.P.: 350 @ 2500 RPM |
|  | | | Warranty: Years 5  Miles 100,000 | | Number batteries: 4  Total KWH: 168 kWh |
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| **QUOTED PRICE** | |
| Quoted price is based upon payment within 30 days after delivery to the school district (without sales tax).  Bid—w/o lift $ 365,000 Bid—w/lift $ 373,800 | |
| VENDOR REPRESENTATIVE’S SIGNATURE | DATE |

PART II

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|  |  | | **State Price Quote Specification**  **DISTRICT-SUPPORTED OPTIONS**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses.** | | | Vendor: The Lion Electric Co. USA | |
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|  | |  | |  | | | | |
| **ITEM** | | Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | | | |
| Activity Securement Seating | | 2-passenger position seats with lap-shoulder belts in all passenger positions. | | | Passenger Capacity 2 | | | |
| Cost $ 595 | | | |
| Air Conditioning | | To cool passenger compartment as required in the Washington State School Bus Specifications manual. | | | Mfr. ACT | | | |
| Cost $ 15,000 | | | |
| Anti-spray Device | | Rubber fender extenders. | | | Type C: Cost $ not applicable because wheels and tires inside body line | | | |
| Type D: Cost $ not applicable because wheels and tires inside body line | | | |
| Back-up Alarm | | Must meet state specification. | | | Mfr. ECCO or equivalent | | | |
| Cost $ Standard, $0 | | | |
| Brakes | | 4-wheel hydraulic disk brake. | | | Cost $ not applicable | | Deduct $ | |
| Brakes | | Air, Drum or Disc. Refer to Washington State School Bus Specifications manual. | | | Disc Cost $ not applicable | | Disc Deduct $ | |
| Drum Cost $ standard | | Drum Deduct $ | |
| Color | | Exterior white roof. | | | Cost $ Standard, $0 | | | |
| Door Locks | | Vandal lock system on all exterior doors. | | | Cost $ Standard 0$ | | | |
| Driver’s Seat | | Suspension type, 6-way adjustable, with lumbar adjustment. Cloth panel covers. | | | ***Non-Air*** | | ***Air*** | |
| Mfr. National | | Mfr. National | |
| Cost $ Standard, $0 | | Cost $ Standard 0$ | |
| Fire Suppression System | | Jomarr VT-6-E-NAF, or equal engine compartment fire suppression system of appropriate size to be installed according to manufacturer recommendation. | | | Mfr. not applicable | | | |
| Cost $ | | | |
| Floor Color | | Nonstandard color. | | | Cost $ 695 | | | |
| Headlights | | Halogen. | | | Cost $ charcoal grey | | | |
| Headlights | | L.E.D. | | | Cost $ Standard 0$ | | | |

PART II (cont.)

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| Vendor: The Lion Electric Co. USA Inc.  **State Price Quote Specification**  **DISTRICT-SUPPORTED OPTIONS**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses.** | | | |
|  |  |  | | |
| **ITEM** | Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | |
| Heater (Auxiliary water) | Auxiliary fuel-fired heating systems. Refer to Washington State School Bus Specifications Manual, page 27. | | Brand: Spheros Model: S230 | |
| Cost $ Standard $0 | |
| Noise Reduction | Exceeding minimum specifications. | | Driver compartment Cost $ Not applicable | |
| Engine compartment Cost $ not applicable | |
| Full acoustical headliner Cost $ not applicable | |
| Retarder | Manufacturer’s standard. | | Driveline  Cost $ not applicable | |
| Exhaust  Cost $ not applicable | |
| Transmission  Cost $ not applicable | |
| Seat Belt Ready Seat | 3-passenger position seat with securement belts. | | Cost $ 138 per person | |
| Seating System | Identical, non-lift bus with lap-shoulder seat belt system installed in all positions. | | 2 by 2 Cost $ 2,280 | |
| Capacity 56 | |
| 3 by 2 Cost $ 2,660 | |
| Capacity 70 | |
| 3 by 3 Cost $ 3,192 | |
| Capacity 84 | |
| Storage Compartments | Largest available for unit bid. | | Left-side not available cubic feet. | |
| Cost $ | |
| Right-side not available cubic feet. | |
| Cost $ | |
| Push-thru not available cubic feet. | |
| Cost $ | |
| Strobe Light | Exterior roof mounted white strobe light. | | Mfr. multiple suppliers and brands available | |
| Model No. | |
| Cost $ 255 | |

PART II (cont.)

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| Vendor: The Lion Electric Co. USA Inc.  **State Price Quote Specification**  **DISTRICT-SUPPORTED OPTIONS**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses.** | | | | | | | |
|  |  | |  | | | | | |
| **ITEM** | Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | | | | | |
| Student Protection System—Installed | Electronic system to insure driver post-trip inspection of passenger compartment. | | Mfr. childcheckmate | | | | | |
| Model No. standard | | | | | |
| Cost $ 150 | | | | | |
| Suspension | Air ride (Air brake system only). | | ***Front*** | | | ***Rear*** | | |
| Cost $ Standard $0 | | | Cost $ Standard $0 | | |
| Toolbox | Interior, manufacturer standard. | | Cost $ Standard $0 | | | | Deduct $ | |
| Traction Device | Automatic chains. | | Mfr. Onspot tire chains | | | | | |
| Cost $ 1995 | | | | | |
| Traction Device | Sanders. | | Capacity not applicable | | | | | |
| Cost $ | | | | | |
| Vehicle Securement System | Must meet state specification. | | Mfr. standard | | Cost $ standard, $0 | | | |
| Video Camera Systems—Installed | Digital audio/video system for monitoring the passenger compartment with more than two cameras. | | Mfr. Seon | | | | | |
| Model No. TH8H1T0 with software license | | | | | |
| Cost $ 3500 How many cameras 8 | | | | | |
| Video Camera Systems—Stop Sign Camera—Installed | Must meet state specification. | ***Stand Alone System*** | | ***Added to Interior System*** | | | | |
| Mfr. Seon | | Mfr. Seon | | | | |
| Model No. HD3Q03A50 | | Model No. HD3Q03A50 | | | | |
| Cost $ 1,185 | | Cost $ 1,185 | | | | |
| How many cameras 5 | | How many cameras 5 | | | | |
| Warning Light Monitor | 16 light monitoring system. | ***Incandescent*** | | ***LED Lights*** | | | | |
| Cost $ Standard 0$ | | Cost $ 450 | | | | |

PART II (cont.)

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| Vendor: The Lion Electric Co. USA Inc.  **State Price Quote Specification**  **DISTRICT-SUPPORTED OPTIONS**  **TYPE D—84 PASSENGER, ELECTRIC**  **Use this document to bid both non-lift and lift buses.** | | |
|  |  |  | |
| **ITEM** | Vendor must meet or exceed these specifications.  Item bid shall be specified in column to right. | **VENDOR SPECIFICALLY IDENTIFY ITEM BID**  Price of items bid will establish the district cost. | |
| Additional Wheelchair/Occupant Tie-down System—Installed | Must meet state specification. | Mfr. Q-straint | |
| Model No. QRT | |
| Cost per station $ 800 | |
| Windows | Laminated passenger-compartment side or rear glass. | Side Cost $ 795 | |
| Rear Cost $ 295 | |
| Both Cost $ 1090 | |
| Windows | Tinted. | Cost $ Standard $0 | |
| Windows | Thermal pane, left of driver and service door. | Cost $ Standard $0 | |