

Cleveland Metropolitan School District

ITB 21239 – Purchase of School Buses

Specifications

SPECIFICATIONS FOR:

Model Year: 2018
Quantity: Up to 66 Buses
Seating for Minimum: 59 Passengers
School Bus Body: Conventional, Class C, GVWR must remain under 26,001 pounds.

Suggested Manufacturers: International CE, Blue Bird Vision, or Thomas Saf-T-Liner C2.

Bids will be weighted as follows: 30% - Meeting Specifications
 40% - Pricing
 30% - Warranty Serviceability

Bus chassis and bodies, when assembled and prior to delivery, must comply with all safety regulations, including the Ohio Department of Education, Ohio School Bus Standards as adopted by and with the consent of the Ohio Director of Highway Safety pursuant to Section 4501-5 and all relevant rules of the Ohio Revised Codes, all Federal Safety Standards and any pertinent provisions of law which are in effect at the date of construction.

<u>Item No.</u>	<u>Description</u>	<u>Description</u>	<u>Standard Option Y or N</u>	<u>Standard Price</u>	<u>Price If Not Standard - 22 Buses</u>	<u>Price If Not Standard - 33 Buses</u>	<u>Price If Not Standard - 66 Buses</u>
		<u>Body</u>					
1.	School Bus Body	Conventional, all bus bodies must be built alike, keyed alike (ignition, door, accessory panels) , cloned units, down to each wire, switch and mounting hole. <i>Must meet Ohio Minimum Standards.</i>	_____	_____	_____	_____	_____
2.		Rear emergency door must have hinges with serviceable grease fittings and/or weather resistant mountings	_____	_____	_____	_____	_____
3.		Entrance step assembly to be aluminum with a non-slip surface, or stainless steel with a non-slip surface.	_____	_____	_____	_____	_____
4.		Air or electrically controlled entrance door. Outward movement only.	_____	_____	_____	_____	_____

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5.		Front hood shall be fiberglass easy-tilt with quick-disconnect wiring harness for easy removal.	_____	_____	_____	_____	_____
6.		Emergency door must be aluminum.	_____	_____	_____	_____	_____
7.		Entrance doors must be aluminum.	_____	_____	_____	_____	_____
8.	Heating	All heater hoses to be of premium grade silicone construction, and must be wrapped in loom or insulation.	_____	_____	_____	_____	_____
9.	Lighting	All exterior lighting to be LED (diode).	_____	_____	_____	_____	_____
10.		All marker and clearance lights to be set into the body panels, not extruding from the body.	_____	_____	_____	_____	_____
11.		All lines and electrical wiring that pass through metal parts of the body, or come into contact with any body panels or chassis components, must be protected with grommets and wire looms, to provide protection from abrasion or cutting.	_____	_____	_____	_____	_____
12.	Mirrors	Inserts are not acceptable for mounting mirrors to fiberglass hoods or fenders. A steel backing plate must be attached to the back of all mounting points on the hood or fender.	_____	_____	_____	_____	_____
13.		Mirror supports and brackets must be a heavy-duty stainless steel design. No plastic components are acceptable.	_____	_____	_____	_____	_____
14.	Lettering	Exterior lettering and numbering to be painted on.	_____	_____	_____	_____	_____

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15.		If painting is not available, then all exterior decals must be guaranteed against peeling or de-bonding for a minimum period of three years. Reflective tape and decals must be one part foil type (example-Reflexite); two-part tape with separate adhesive and reflective material bonded is not acceptable (sample available upon request).	_____	_____	_____	_____	_____
17.	Seats	All passenger seats will have seat belt ready frames and seat belts for all passengers.	_____	_____	_____	_____	_____
18.		All upholstery will be guaranteed against manufacturing defects for a period of three years	_____	_____	_____	_____	_____
19.		Acoustical ceiling- Full length.	_____	_____	_____	_____	_____
20.	Safety Equipment	Safety equipment will be mounted forward of the passenger area. May mount on side panels or bulkhead. Fire extinguisher to be mounted on the floor only. No equipment is to be mounted behind driver's area.	_____	_____	_____	_____	_____
21.	Flooring	Flooring material to be constructed with marine grade plywood. Rubber floor covering must be bonded to plywood, flat without blisters or bubbles.	_____	_____	_____	_____	_____
22.		Seamless rubber floor covering (one piece rubber wall-to-wall).	_____	_____	_____	_____	_____
23.		Mounting of the bus body to chassis frame with re-enforcement of the stringer that it is attached to.	_____	_____	_____	_____	_____

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25.		Minimum one accessory power port in the driver area.	_____	_____	_____	_____	_____
<u>CHASSIS</u>							
26.	Engine	Unleaded gasoline engine, to meet Ohio minimum standards.	_____	_____	_____	_____	_____
27.		List in-line diesel alternative, 4, 6 or 8 cylinder, turbo powered, to meet Ohio minimum standards.	_____	_____	_____	_____	_____
28.		List LPG (propane) alternative; to meet Ohio minimum standards.	_____	_____	_____	_____	_____
29.		Engine must have petcock style oil drain (example- Fumoto).	_____	_____	_____	_____	_____
30.		Minimum 5 year, 50,000 mile warranty on engine.	_____	_____	_____	_____	_____
31.	Exhaust	Side out exhaust system.	_____	_____	_____	_____	_____
32.		Stainless steel exhaust system.	_____	_____	_____	_____	_____
33.	Chassis Electrical	12 volt electrical system with negative ground.	_____	_____	_____	_____	_____
34.		12 volt starter with over crank protection.	_____	_____	_____	_____	_____
35.		120 volt block heater, (diesel engine only).	_____	_____	_____	_____	_____
36.		Alternator minimum 200 amps.	_____	_____	_____	_____	_____
37.		All chassis wiring to be continuously numbered, and loomed, with grommets.	_____	_____	_____	_____	_____

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38.		All wiring shall have moisture-proof connectors.	_____	_____	_____	_____	_____
39.		Horns must be mounted in area unaffected by weather and road conditions (not in under chassis area).	_____	_____	_____	_____	_____
40.		Accurate wiring and component schematics and diagrams shall be provided, 3 complete sets.	_____	_____	_____	_____	_____
41.		Dash gauges to include volts, oil pressure, coolant temp, transmission fluid temp, tachometer, fuel level, air pressure, speedometer, odometer.	_____	_____	_____	_____	_____
42.	Cooling	Heavy duty cooling system with extended life coolant, Dex-cool or similar (red).	_____	_____	_____	_____	_____
43.		Viscous fan clutch.	_____	_____	_____	_____	_____
44.		Radiator must have stainless steel, aluminum or brass tanks and cores and remain free from leaks or defects for a minimum of five years.	_____	_____	_____	_____	_____
45.	Transmission	Allison 2500 automatic, similar or better, electronically controlled.	_____	_____	_____	_____	_____
46.		External, spin-on transmission filter.	_____	_____	_____	_____	_____
47.		Minimum 5 year, 50,000 mile warranty on transmission.	_____	_____	_____	_____	_____
48.	Fuel System	60 gallon minimum capacity fuel tank, frame mounted, with petcock style drain valve.	_____	_____	_____	_____	_____
49.		Fuel tank shall be coated to prevent rust or corrosion, and shall remain free of rust or corrosion for a minimum of five (5) years.	_____	_____	_____	_____	_____

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50.		Visual alarm for low fuel condition.	_____	_____	_____	_____	_____
51.		Heated fuel / water separator w/ dash light when service is needed (diesel engine only).	_____	_____	_____	_____	_____
52.	Axles	Front axle minimum 8,000 lb rating.	_____	_____	_____	_____	_____
53.		Rear axle minimum 17,000 lb rating.	_____	_____	_____	_____	_____
54.		King pins must have brass bushings.	_____	_____	_____	_____	_____
55.	Suspension	Front suspension to be leaf spring / shock absorber.	_____	_____	_____	_____	_____
56.		Rear suspension to be leaf / air bag / shock absorber with leveling valve.	_____	_____	_____	_____	_____
57.		Air dryer system with automatic drain and manual drain, and spin on desiccant filter.	_____	_____	_____	_____	_____
58.		Front wheel bearings to have synthetic hard grease.	_____	_____	_____	_____	_____
59.	Steering	Power steering.	_____	_____	_____	_____	_____
60.		Tilt steering wheel.	_____	_____	_____	_____	_____
61.		Steering shaft to have serviceable joints with grease fittings.	_____	_____	_____	_____	_____
62.	Frame	Front and rear tow hooks.	_____	_____	_____	_____	_____
63.		Full-width front and rear, heavy duty steel bumpers.	_____	_____	_____	_____	_____
64.		Front crossing arm not preferred.	_____	_____	_____	_____	_____

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65.	Wheels / Tires	11R22.5 tires, Goodyear 662 steers, similar or better on the steer axle, lugged tires (all-weather tread) for drive axle.	_____	_____	_____	_____	_____
66.		Hub pilot steel wheels, painted black, at all positions.	_____	_____	_____	_____	_____
67.		Lug nut indicators, fluorescent green, on all lug nuts.	_____	_____	_____	_____	_____
68.	Brakes	4 wheel disc, hydraulic brake system.	_____	_____	_____	_____	_____
69.		Mechanically or electrically actuated park brake.	_____	_____	_____	_____	_____
70.		ABS tone rings on all rotors to be nickel-coated and corrosion resistant, same as or similar to Performance Friction 390.048.20; painted or paint type coatings are not acceptable; ABS tone rings must be guaranteed for a minimum of three years or until the rotor fails.	_____	_____	_____	_____	_____
71.		Corrosion resistant brake lines.	_____	_____	_____	_____	_____
<u>OTHER</u>							
72.	Manuals	Professional service manuals and/or computer CD's. Three (3) each shall be provided by the manufacturer, which will provide information on total body and chassis servicing and maintenance including complete electrical wiring manuals and CD's. Include special equipment manuals if equipped. Service software must also be provided, 3 copies for three separate laptops.	_____	_____	_____	_____	_____
73.	Warranties	List all available extended warranty options, to include chassis, body, and power train (attach).	_____	_____	_____	_____	_____

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74.		<p>All warranty repair service either on the body or on chassis must be serviced by a dealership or designee for that manufacture not to exceed 30 miles. Mileage more than 30 miles will be the responsibility of the servicing dealer to pick-up and deliver vehicles at no expense to the District. In house servicing by dealership or manufacture must be prearranged. If the servicing dealership or manufacture cannot service equipment within a reasonable time (72 hours) they will be invoiced for repairs at the rate of \$75.00 per hour rate, not flat rate. This option will only apply if school district has available time and space to service warranty equipment. Any and all safety recalls that apply to this vehicle throughout its life will be covered by above outline. All service upgrades within a 24-month period will become a blanket repair on all vehicles bid on in this package and serviced under 100% warranty without cost to the District.</p>	_____	_____	_____	_____	_____
75.	Pre-Delivery	<p>All School Buses purchased must pass the State of Ohio Highway Patrol School Bus inspection before delivery is accepted. Any factory defects, upgrades and / or specification flaws that do not comply must be completed before delivery, no exceptions.</p>	_____	_____	_____	_____	_____
76.	Radios	<p>To be equipped with antennae, antennae wiring and power and ground wiring for two-way radio installation near driver area and ready for radio mounting; District to supply radios, Kenwood Model NX800K, which must be installed and checked for proper operation before delivery.</p>	_____	_____	_____	_____	_____

77. **Cameras**

To be equipped with interior cab camera system, same as or similar to Angel Traxx VulcanV5SD, 4 cameras mounted to District specification.

PRICE FOR PURCHASE OF 22 BUSES

\$ _____

PRICE FOR PURCHASE OF 33 BUSES

\$ _____

PRICE FOR PURCHASE OF 66 BUSES

\$ _____

Vendors must complete the signatory requirement below

The undersigned proposes to provide school buses for the Cleveland Metropolitan School District in accordance with the Specifications and to the entire satisfaction of, and acceptance by, the Cleveland Municipal School District and for the above listed pricing.

COMPANY NAME: _____

REPRESENTATIVE: _____

PRINT

(TITLE)

SIGNATURE: _____

ADDRESS: _____

CITY: _____

STATE: _____

TELEPHONE: () _____

FAX NO: () _____

E-MAIL ADDRESS: _____

DATE: _____