1. **GENERAL SPECIFICATIONS / CONSTRUCTION EXTERIOR DESIGN**
   A. This invitation to bid encompasses the furnishing of one (1) Conventional school bus for the Idaho School for the Deaf and the Blind.
   B. Contact Information: Maintenance Director, Guy Jackson, 208-539-1908.
   C. Bus will meet or exceed all Federal (FMVSS) and Idaho State (SISBO) rules and regulations in effect at time of delivery.
   D. Supply service manual or software (CD) for the body.
   E. Supply parts manual, software (CD), or web site access, for the body.
   F. Body electrical schematic – Bid will not be awarded to vendors who cannot provide an electrical schematic for each individual bus.
   G. A printout that provides a list of each part used to build the bus body.
   H. Standard manufactures warranty.
   I. School bus body specifications. – type C
   J. Number of buses: 1
   K. New model conventional school bus, 65 passenger.
   L. Flat floor with tie down ports
   M. Wheelchair lift
   N. Wheelchair door and ramp, flat bottom with track, set up for four (4) wheelchair positions to start
   O. Four (4) rub rails painted black.
   P. Heavy duty steel front and rear black colored bumper that is braced to allow vehicle to be jacked up by using just the bumper.
   Q. Mud flaps required except when not provided as an option by manufacturer
   R. Tow hooks front and rear.

**ALSO PROVIDE ENGINE, TRANSMISSION AND BRAKE DIAGNOSTIC SOFTWARE.**

2. **AIR CLEANER**
   A. Air cleaner with air restriction indicator, (site gauge)

3. **ALTERNATOR**
   280 AMP w/lift, minimum

4. **AXLES**
   A. Front axle: recommended by manufacture/dealer, Specify: \underline{12000} \hfill
   B. Rear axle: recommended by manufacture/dealer, Specify: \underline{21000} \hfill
   C. Oil Bath Hubs
   D. Rear End Ratio: Geared for 75 miles per hour
5. **BATTERY**
   A. Stud post maintenance free, manufacture/dealer recommended: # Batteries: 2, Group: 31, CCA: 700, each minimum
   B. Battery tray to include heavy duty roller ball bearings for operational ease
   C. Battery master shut off/disconnect switch excluded for hydraulic brakes

6. **BRAKES**
   A. Air Drum: __ , Air Disk: X, Hydraulic Disk: __
   B. AD-9 Air Dryer or equivalent with heater, (N/A hydraulic)
   C. Air tanks are to equipped with automatic moisture ejectors, (N/A hydraulic)
   D. Auto slack adjuster, (drum brakes), (N/A air disk)
   E. Anti-lock Brake System

7. **DRIVER’S SEAT**
   A. Seatbelt including a shoulder harness with 7” height adjustment
   B. High back seat
   C. Upholstery, Cloth: X, Vinyl: __
   D. Dual folding arms on driver’s seat if available from manufacture. E. Adjustment up and down, tilt back, Air: X, Manual: __
   E. Cup holders

8. **EMERGENCY EXIT**
   A. Push Out windows each side of bus as required by SISBO
   B. Roof mounted escape hatches as required by SISBO
   C. Rear Door: Upper and lower glass

9. **ENGINE**
   A. Diesel powered with minimum 200 HP, Specify __ 240 Cummins __
   B. Engine shall be certified to meet all current State and Federal “Clean Air” specifications
   C. Engine block heater, minimum 750 watts
   D. High water temp/low oil pressure warning light/buzzer
   E. Road speed will be set to a maximum of 75 MPH
   F. Turbo exhaust brake standard

10. **FUEL TANK**
    A. 60-100 gallon
    B. Filler tube on right side of bus with exception of lift bus
    C. Fuel filter-water separator with heater
    D. Locking fuel door
11. HEATERS / VENTILATION
   A. Front defroster/heater system as provided by manufacture
   B. Step-well heater
   C. Double fan rear heater (included in state basic bus)
   D. Filters on all heaters
   E. Two 6” windshield defog fans with separate switches
   F. Air Conditioning

12. INTERIOR DESIGN
   A. Barrier on driver’s side and passenger side with a kick/modesty panel installed between the bottom of the barrier and the floor.
   B. Driver’s dome light with separate switch wired for use without ignition switch.
   C. Flooring, grey color to match seats.
   D. High/Low idle switch mounted on dash
   E. Instruments – Speedometer, tachometer, odometer, voltmeter, oil pressure gauge, water temperature gauge, fuel gauge, transmission temperature gauge, brake air pressure gauge (air brakes), brake indicator lamp (vacuum/hydraulic brakes), or brake indicator lamp (hydraulic/hydraulic), DEF gauge (Diesel Exhaust Fluid), upper headlamp beam indicator, turn signal indicator
   F. Interior side panels to be aluminized, scratch resistant or equivalent
   G. Marine grade C-D 5/8” 5-layer plywood flooring for insulation screwed down.
   H. Power port in driver’s area
   I. Two (2) rows of interior lights, five (5) minimum per row

13. LIGHTS
   A. Daytime running lights wired to the park brake to illuminate when the ignition is turned on. Allows the vehicle to operate in “lights on” condition at all times without driver input.
   B. Halogen, dual headlights
   C. LED, exterior door light
   D. All other exterior lighting to be LED
   E. Two back-up lights maximum
   F. Light Check Switch
14. **MIRROR SYSTEM**
   A. Driver’s view of mirrors through windshield shall be unobstructed
   B. Crossover mirror system, heated
   C. Drivers interior mirror shall be clear-view laminated glass mirror to be 6” x 30” with sun visor
   D. All exterior side mirrors will be heated power mirrors

15. **NOISE REDUCTION**
   A. Ceiling noise reduction complete bus acoustical ceiling

16. **NUMBERS and LETTERING**
   A. District name “Idaho School for the Deaf and the Blind” in belt line
   B. Lettering shall be 6”
   C. Each bus shall have numbers in two (2) places on each side of the bus in the logo panel. Numbers shall be as close to the first and last passenger windows as possible.
   D. Numbers will be coordinated with Maintenance Director prior to construction of the buses.

17. **RADIO SYSTEM**
   A. AM/FM radio with PA and clock to be installed in driver compartment
   B. Maximum number of internal speakers to accommodate the AM/FM radio and Public Address System
   C. Driver Speaker

18. **RADIATOR**
   A. Radiator site glass or overflow tank
   B. Radiator hoses to be high quality rubber

19. **ROOF**
   A. Roof mounted white strobe light on rear of bus with a protective guard to deter breakage
   Yes: X  No:  
   B. Strobe light shall be wired to operate independently with dash switch
20. **SAFETY ITEMS**
   A. Fire Extinguisher: one (1) per bus, 5lbs with hose and current year inspection tag
   B. Idaho first aid kit, metal box
   C. Idaho body fluids clean-up kit, metal box
   D. Triangle warning devices
   E. Backing horn mounted in rear bumper area of the bus 112 dB minimum rating
   F. Seat belt cutter having a full width handgrip
   G. Manual noise suppression switch installed in the control panel. Shall be labeled and alternately colored and control items specified in SISBO.

21. **SCHOOL BUS SIGN**
   A. Reflective “SCHOOL BUS” decal on front and rear
   B. 1” reflective material outlined around all exits as required
   C. 2” reflective material outlined around the rear and sides of bus as required

22. **SEATS**
   A. Minimum seat space: 26”
   B. All seat cushion depth will be a minimum of 15”
   C. All seat backs will be 24” above the seating reference point
   D. Integrated child restraint seats and include LATCH attachments in first three (3) rows
   E. Grey seat upholstery color

23. **SERVICE DOOR**
   A. Service door with emergency opening capability, Air: ____Electric: X_
   B. Outward opening split type door
   C. Exterior landing light mounted immediately behind step well
   D. Handrail(s) at front entrance door to extend to bottom step

24. **SHOCK ABSORBERS**
   A. Direct acting, double action piston type

25. **STEERING**
   A. Multi tilting

26. **STOP ARM**
   A. Stop arm, with LED strobe light, Air: Electric: X_
   B. Wind Guard
27. **SUSPENSION**
   A. Front suspension manufacture/dealer recommendation, Springs, Specify: 8500.
   B. Rear suspension manufacture/dealer recommendation, Springs, Specify: 17000.
   C. Air ride, Specify: YES

28. **TRANSMISSION**
   A. Manufacture/dealer recommended, Specify: 2500 Allison.
   B. Transmission must have synthetic fluid if available from manufacture.

29. **WHEEL and TIRES**
   A. 22.5” x 8.25” wheels; dependent on flat floor
   B. Hub piloted bud disc wheels
   C. R-22.5 radial tire – 16 ply traction rear, hwy. front 265;70

30. **WINDOWS**
   A. Driver’s side window: two (2) piece sliding-sash type tempered
   B. Tinted passenger windows 28%

31. **WINDSHIELD**
   A. Windshield will be tinted with shaded band at top.
   B. Windshield steps and handles
   C. Electric windshield wipers, with single switch with washers
   D. Bottled windshield washer fluids storage and dispersal system

32. **DELIVERY**
   A. Bus shall be delivered as soon as possible.
   **Delivery to Idaho School for the Deaf and the Blind – Maintenance Department.**

**SAFETY FEATURES / SDE SUPPORTED**

A. Additional Integrated Child Restraint Seats and include ISO LATCH attachments
   Addition number required on all seats
B. Air conditioning, must be driven by an IEP
C. Driver’s side window sun visor
D. Heated entry steps
ADDITIONAL OPTIONS DISTRICT SUPPORTED

A. Cove molding floor to wall
B. Cruise control
C. Fenderettes
D. Interior LED passenger lights
E. Keys, common
F. Keys, (4) required per bus
G. Light monitor, (16) light system
H. Steering, telescoping
I. Step well tread, pebble tread
J. Storage, overhead compartments for emergency equipment (metal only)
K. Tinted rear windows glass
L. Vandal lock, rear door with ignition interrupter, key lock
M. Winter front

EXTENDED ENGINE WARRANTIES

A. 5 year 150,000 miles extended any major component
B. 7 year 150,000 miles extended coverage
C. 7 year 150,000 miles extended any major component
D. 10 year 200,000 miles extended coverage
E. 10 year 200,000 miles extended any major component

BIDDER CONTACT INFORMATION

All bid documents can be found at www.iesdb.org

For more information you can contact Guy Jackson at Idaho Educational Services for the Deaf and the Blind, 1450 Main Street, Gooding, ID, 83330 or by phone (208)539-1908 or email guy.jackson@iesdb.org All bids shall be delivered no later than 11:00 A.M. Tuesday, December 13, 2022 to Idaho Educational Services for the Deaf and the Blind, 1450 Main Street, Gooding, ID, 83330. Please mark outside package clearly “BUS BID.”