Request for Bids

Mississippi Valley State University

14000 Hwy 82-W #7244
Itta Bena MS 38941-1400

Web Address: www.mvsu.edu/purchasing/ Phone No: (662) 254-3319 Fax (662) 254-3314

THIS IS NOT AN ORDER

Bid Title:

Passenger Bus

Requester and Requesting Department:

40 Passenger Bus Bid
Rodrick Wallace

Date: 11/2/2015

Bid No. VSRB 10012

Number of Pages 12

Change Order: ORIGINAL

Term – End of Month

Bids/Proposals – Do not include State or Federal Taxes in your bids/proposals. The University is exempted from these taxes. All order will be placed with successful bidder by Official Purchase Order.

Mississippi Valley State University is considering the purchase of the following item (s). **We ask that you submit your Bids/Proposals in three copies.** Rights are reserved to accept, or reject any and all parts of your bid/proposals. Your bid/proposals will be given consideration if received in this Office on or before the date and time below.

☐ This bid/proposal will be awarded on a line by line basis

☑ This bid/proposal will be awarded on a all or none basis

However, the University reserves the rights to award any and all bids/proposals in the best interest of the University.

Bid/Proposal opening {Date and Time}

11/23/2015 @2:00pm

Mississippi Valley State University

Billy D. Scott

By: Billy D. Scott Purchasing Agent

Email: bscott@mvsu.edu

NOTE: If you cannot quote on the exact material shown, please indicate any exceptions, giving brand names and complete specifications on any alternate. Mississippi Valley State University reserves the rights to accept any alternate of equal or greater quality or performance. We also reserve the rights to waiver any irregularities that may appear in the Bids/Proposals specifications.

ITEM	QUANTITY	DESCRIPTIONS	UNIT PRICE	TOTAL NET PRICE
1	2	40 Passengers Bus Coach		
Please show Bid/Proposals No. on outside of Envelope				

☐ If checked, Mississippi Valley State University reserves the rights for an additional 60 days to purchase and additional 20% of this bid/proposal at the same cost.

We quote you as above F.O.B – Mississippi Valley State University. Shipment can be made within _____days from receipt of the order.

Company Quoting

Terms:

Date:

Phone/Fax:

ADDRESS 1

ADDRESS 2

CITY STATE

ZIP CODE

Official Signature:

BUS TECHNICAL SPECIFICATIONS

1) Scope

This technical specification covers requirements for two (2) new 40 passenger + driver front diesel engine rear wheel drive buses, which are suitable for service in a variety of applications. The buses shall be designed to operate in service for at least 10 years or 350,000 miles (based on the Altoona STURAA Test). The buses shall meet all applicable Federal Motor Vehicle Safety Standards (FMVSS) and Environmental Protection Agency (EPA) regulations in effect at the date of manufacture. The buses must comply with O.E.M. chassis manufacturer's recommended practices as defined in the Body Builder and Van Modifier Manuals.

2) Bidder Directions

All bidders must submit a copy of their Mississippi dealer's license. The license must list the make for the brand they are authorized to sale and are supplying for this bid. All pricing shall be for current model year production vehicles. Bidder shall indicate if they comply (YES) or do not comply (NO) with each specification line item as noted. The bidder shall also write in the description what will be supplied. Writing 'Exact as Specified' shall be accepted. Failure to follow any of these directions will deem the bid non responsive and the bid will be rejected.

Bidders, please send all bid packets to (Mississippi Valley State University). Packets must be received in a sealed envelope with the bid name (40 Pass Bus) and the bid number (BID #VSRB - 10012) clearly printed on the exterior of the packaging. All bids must be received by (November 24, 2015). There will be a public opening of the bid packets at (2:00PM William W. Sutton Administration Building 3rd Floor, Business and Finance Conference Room). If you have any questions, please contact (Roderick Wallace {662-254-3628}).

Compliance with Federal requirements: It is acknowledged that federal laws, regulations, policies, and related administrative practices applicable to this contract on the date of the contract execution may be modified from time to time. The contractor or bidder agrees that their most recent of such Federal requirements will govern the administration of the contract. New federal laws, regulations, policies and administrative practices may be established after the date of this contract execution and may apply to the contract. To achieve compliance with the changing Federal requirement (s), the contractor or bidder may be required to upgrade, or add item (s) to the minimal specifications. The cost difference to achieve the "NEW" Federal requirement will be allowed at the manufacture's cost. No additional profit will be allowed.

Cooperative Purchase – Political subdivisions of a city, county, parish and state agencies may be permitted to purchase from this contract.

3) General Requirements and Dimensions

a. 483” Minimum overall length
b. 300” Maximum chassis/Wheelbase
c. 32,000 Minimum GVWR
d. 135” Maximum exterior Height, to skin
e. 101” Minimum exterior width
f. 85” Minimum interior height at center of aisle
g. 97” Minimum Interior Width at seat level
h. 31” X 87” Minimum clear passenger door opening

4) Chassis

a) The chassis shall be a front or rear engine rear wheel drive chassis with a minimum GVWR of 32,000 lbs.

Comply _____ yes/no. Description _____

b) The wheelbase shall be a maximum of 300”

Comply _____ yes/no. Description _____

5) Chassis Con’t

a) The braking shall consist of Meritor or approved equal Air Brakes with dryers. The parking brake shall be an air operated drum brake.

Comply _____ yes/no. Description _____

b) Single front tires and dual rear tires, mounted on 22.5” X 8.25 rims. All exterior rims shall be aluminum wheels and drive tires shall be all-season steel-belted radials, 275/80R22.5 (14-ply). Valve stem extensions shall be provided for all tires that have their air fill valves obstructed. There shall be a spare tire shipped loose in the vehicle.

Comply _____ yes/no. Description _____

c) Engine will be a 2015 or 2016 emission compliant In-line 6cyl diesel engine rated at (260 HP @ 2200 RPM, 660lb ft torque at 1400rpm) meeting all Fifty (50) states emission standards. The engine and chassis shall be current model year. The engine is to use a combination engine oil fill tube and dipstick in one tube on the left side of the engine. The following equipment is to be included:

i. Fast-idle system
ii. Block heater.
iii. Heated fuel/water separator/filter, Includes “Water in Fuel” sensor
iv. Air cleaner with restriction indicator

Comply _____ yes/no. Description _____

d) Vehicle shall be provided with a two spoke tilt steering wheel. Steering system shall include electric/hydraulic-assist steering pump to enable engine-off power steering. Steering effort must not exceed 55-pounds at the wheel. TAS-40 steering

gear minimum, remote mount translucent 1.5 quart fluid reservoir with filter required.

Comply _____ yes/no. Description _____

e) The tail pipe shall exit at the rear street side of the bus.

Comply _____ yes/no. Description _____

f) The exterior mirrors shall be heated and remote controlled.

Comply _____ yes/no. Description _____

g) There shall be a Rear Steel Bumper with a step installed on the rear of the bus.

Comply _____ yes/no. Description _____

h) The Transmission will be fully automatic unit. The system shall include a heavy duty cooler.

6)

a) Chassis

i. Each vehicle is to be supplied with an alternator-powered 12-volt extreme duty electrical system. Datalink connector for vehicle programming and diagnostics to be provided in the cab. All components are to be selected and integrated to function in an environment characterized by low engine speeds and high amperage draws (due to lights, flashers, heater, and other accessories in constant operation).
ii. Batteries shall have 2- 6 maintenance-free 12-volt batteries. The total Cold Cranking Amps (CCA) for the system shall be a minimum of 3,100 CCA's.
iii. Alternator shall be minimum 320-amps.
iv. A battery disconnect switch is to be located in the battery box.
v. Chassis to be equipped with manual-reset circuit breakers.
vi. A 12-volt power socket is to be mounted in driver area.
vii. Chassis production shall include wiring for the integration of the body and include sealed connectors for Tail/Amber/Turn/Marker/Back-up/Accessory Power/Ground and sealed connector for Stop/Turn.
viii. An OEM electric horn shall be provided.

Comply _____ yes/no. Description _____

b) Body

i. A fuse panel shall be conveniently accessible for service from outside the bus. The door to the panel shall be equipped with a thumb latch. A legend shall be posted inside the panel, which shall correspond with the components.

Comply _____ yes/no. Description _____

ii. All wiring provided by the body manufacturer will be color-coded. The wiring shall be bundled and clamped to protect the wires. As built wiring diagrams shall be provided.

Comply _____ yes/no. Description _____

iii. Wires passing through metal shall be grommeted to protect the wiring.

Comply _____ yes/no. Description _____

iv. Switches and gauges installed by the body manufacturer shall be mounted in a separate panel, located on the dash, which shall be easily reachable by the driver.

Comply _____ yes/no. Description _____

v. There shall be a Touch screen AM/FM/CD/DVD Player with Navigation, 8 speakers and a PA System. The head unit shall also incorporate a rear view camera and two (2) side view cameras that will activate when the turn signals are engaged. There shall be a second hostess microphone installed behind the driver seat that is incorporated into the PA System. There shall be a 26" Flat screen monitor installed in the stanchion behind the driver in addition to three (3) 15" Flat screen wedge monitors installed throughout the bus.

Comply _____ yes/no. Description _____

vi. There shall be two (2) USB power plugs installed at each row. This shall allow for 38 individual USB power plugs throughout the bus. There shall also be six (6) double 110V outlets installed throughout the bus. This shall allow for a total of twelve (12) 110V Plugs throughout the bus.

Comply _____ yes/no. Description _____

vii. There shall be a gravity style restroom with an upper and lower holding tank. The upper tank shall be able to dump to the lower tank minimum (4) times before the lower holding tank must be dumped. This shall allow for extended operation without having to dump the tank daily.

Comply _____ yes/no. Description _____

7) Lighting

a) Interior

i. The passenger compartment lighting shall provide sufficient light for safety and security. Minimum of Five (5) center isle ceiling mounted fluorescent lights are required.

Comply _____ yes/no. Description _____

ii. The passenger compartment interior lights shall be operated by a separate switch from the chassis lights.

Comply _____ yes/no. Description _____

iii. A dome light shall be provided in the operator's area to provide sufficient light to read a map.

Comply _____ yes/no. Description _____

iv. A light shall be provided in the step well to illuminate the step area. This light will activate when the entry door is opened. The ceiling mounted lights shall also be activated when the entry door is opened.

Comply _____ yes/no. Description _____

b) Exterior

i. All exterior (clearance, side turn, rear turn, rear brake, center brake) lights added by the body manufacturer are to be LED type.

Comply _____ yes/no. Description _____

ii. Round LED lights, are to be mounted vertically on the rear of the bus. Red stop, turn and taillights, and white backup lights, are provided.

Comply _____ yes/no. Description _____

iii. LED clearance and marker lights, amber front and red rear, are to be provided and mounted in compliance with FMVSS 108.

Comply _____ yes/no. Description _____

iv. Individual reading lights shall be provided at each seat. These lights shall be installed under the overhead luggage racks. These lights shall have the ability to be overridden by the driver at any time.

Comply _____ yes/no. Description _____

8) Body

a) Body Design

i) The buses shall have a clean, smooth, sleek design, correctly proportioned and properly balanced. The exterior and body features, including chassis and body grills and louvers, shall be shaped to allow complete and easy cleaning by automatic bus washers without snagging washer brushes. Water and dirt shall not be retained in or on any body feature to freeze or bleed out onto the buses after leaving the washer.

ii) Body, windows and doors shall be sealed to prevent leaking of water, air or dust in routine service, or of cleaning liquids in automatic bus washers, for the life of the bus under normal use (normal wear and tear excluded). Accumulation of spray and splash on any window of the bus, generated by the bus wheels on a wet road, shall be minimized.

iii) Each bus shall be water-leak tested for minimum of 10 minutes in a water-spray booth specifically designed for such tests. Any leaks detected during the test

are to be repaired immediately and extreme leaks shall require a second water-leak test to assure repairs were effective. Extreme leaks are defined as any leak that creates a stream of water that rapidly pools on the interior of the bus. During leak testing, particular attention is to be paid to windows, doors and seams. Leaks at the entry or wheelchair-lift doors or at window locations that egress back to the outside of the buses shall not be regarded as defects and shall not require repair.

Comply _____ yes/no. Description _____

b) Body Materials

The body construction will meet or exceed Federal Motor Vehicle Safety Standards. Body and understructure will be durable construction adequately reinforced at all joints and points where stress concentration may occur so that the vehicle will carry all the required loads and properly withstand road shocks.

The vehicle body incorporates a welded steel body frame and is constructed to provide maximum protection to passengers in case of an accident to the side or rear of the bus. The inside and outside body panels are fabricated of contoured steel and fiberglass. The frame is attached to the understructure and securely attached to the chassis so that the entire vehicle will act as one unit without any movement at the joints. The entire unit is adequately reinforced with structural steel to carry the required loads and withstand road vibrations.

The roof will be constructed of sufficient strength to prevent vibration, drumming, and flexing. Roof design will prevent pooling of water on the roof.

Comply _____ yes/no. Description _____

9) Body Frame Structure, Side Walls & Roof

The sidewall structure is constructed utilizing the same 24" centers as the floor keeping all structural members in line with each other. The walls are attached to the floor using minimum 5/16" – 18 grade 5 bolts through pre-aligned holes in the bottom channel of the walls to the angle tabs welded on the floor cross members. Interior panels are minimum 3.6mm gray vinyl covered lauan. Exterior panels are minimum 2.7mm lauan laminated to .024 galvanized steel skins. The walls shall be insulated using minimum 1 ½" dense expanded polystyrene ThermoSafe EPS insulation. This is all assembled using a vacuum lamination process creating a rigid structure.

Sidewall Studs: 1 ½" x 1 ½" 16 gauge Tube Studs
Top Support: 1 ½" x 1 ½" 11 gauge Angle
Bottom Support: 2 7/8" x 4 3/16" 13 gauge "C" Channel
Bottom Window Support: 1 ½" x 1 ½" 16 gauge Tube Full Length

The roof structure is constructed utilizing the same 24" centers as the floor and walls keeping all structural members in line with each other. The roof is attached to the walls using minimum 5/16" – 18 grade 5 bolts through pre-punched holes in top wall angle into wall "C" channel. Inner panels are 3.6mm gray covered lauan. Exterior

panels are minimum 2.7mm lauan laminated to a filon skin. The roof is insulated using dual component polyurethane spray foam.

Roof Bows:	1 ½" x 1 ½" 16 gauge Formed Tubes
Outer Stringers:	1 ½" x 1 ½" 16 gauge "C" Channel
Inner Stringers:	3" 11 gauge Flat Steel

Comply _____ yes/no. Description _____

10) Floor

a) The floor structure shall be computer load tested to withstand 40,000 pounds with less that 1/16" of deflection at the perimeter.

Comply _____ yes/no. Description _____

b) Minimum Exterior .75", 7-ply plywood of C-C Plug Grade. All surface irregularities shall be filled and sub floor sanded smoothly. Subfloor shall be exterior .75", 7-ply, fir underlayment grade plywood with a solid cross band that is pattern cut, edge sealed, and fastened with .25" diameter counter sunk Tek screws or approved equal that are predrilled and installed approximately every 10" throughout the entire floor structure. Subfloor understructure shall be completely undercoated by hand brushing and 100% sealed from moisture penetration prior to being installed on steel frame understructure.

Comply _____ yes/no. Description _____

11) Interior Panels and Finishes

a) Side Wall Panels: The interior compartment shall be completely covered with gray auto cloth. This includes the ceiling, sidewalls, rear wall and exterior bathroom walls.

Comply _____ yes/no. Description _____

b) The passenger area floor covering shall be installed in accordance with the manufacturer's recommendations. Flooring shall be non-slip Altro or approved equal transit style for easy clean up and added safety.

Comply _____ yes/no. Description _____

c) The floor shall have a standee line toward the front of the bus placed in the manufacturer's recommended position. The line should be white or yellow and a sign shall be in plain view to remind passengers they should not be in front of said line while bus is in operation.

Comply _____ yes/no. Description _____

d) There shall be nosing on all step treads leading into the bus.

Comply _____ yes/no. Description _____

12) Heating/Air-conditioning

a) A dual roof top mounted 189,000 BTU Air Conditioning System with 122,000 BTU's of heat built into the system shall be provided. The system shall be a triple

compressor system that consists of two (2) TM-21 Compressors and one (1) TM-16 Compressor (or approved equal). The dash/driver Air Conditioning and Heater shall work independent from the rear system. All Rear and Driver HVAC controls shall be of the digital electronic style. One (1) 65,000 BTU rear floor heater shall be provided in addition to the HVAC systems mentioned above. Split systems shall not be considered. Any deviation from this specification must be approved by the purchaser in writing prior to the bid due date.

Comply _____ yes/no. Description _____

13) Doors, Windows

a) Entrance Door – shall be an outward opening, two-leaf type with an overlapping rubber seal at the meeting edges of the panels. The door shall be attached to the body with two heavy-duty steel pivot pins with nylon bushings. A heavy-duty bulb seal shall be installed at the top and hinged edge of the door and a brush type seal at the bottom edge. Each door panel shall have an 11-gauge aluminum frame and shall be glazed with a full-height safety glass panel. The door shall be driver-operated and electrically controlled and shall incorporate a locking feature. The doors clear opening shall be a minimum of 30" wide by 87" high.

Comply _____ yes/no. Description _____

b) All passenger compartment windows shall be full bonded black out windows. Single Glazed Fixed Sash, composed of a single piece of .187 inch thick tempered glass, tinted and bonded to aluminum framework. Single Glazed Emergency Sash, composed of a single piece of .187 inch thick tempered glass, tinted and mounted in a hinged extruded frame. Two emergency handles, painted red and fastened to the movable portion of the frame, are included. Operable sash will open approximately 70 degrees from the closed position. T-slider or framed solid windows are not acceptable.

Comply _____ yes/no. Description _____

c) There shall be a locking door in the rear of the bus to access the rear luggage compartment.

Comply _____ yes/no. Description _____

d) There shall be four side storage compartments that have locking doors. All of these compartments shall be keyed alike. These compartments shall be used for additional luggage.

Comply _____ yes/no. Description _____

14) Passenger Accommodations

a) Seating – The passenger seats are to be high-back coach type with level 5 seat covers. These seats are to be installed in seat tracks that are welded to the bus body floor structure. There shall be seating capacity for no less than 39 seated passengers and there shall be no less than 28” of hip-to-knee room between any forward facing seats. There shall be armrests built into the seats to allow for a coach style appearance. There shall also be a co-pilot seat.

Comply_____ yes/no. Description_____

b) There shall be overhead luggage that runs the entire length of the passenger seating area. There shall also be retention cords that keep the luggage from spilling into the passenger area.

Comply _____ yes/no. Description _____

c) Assists – An entrance grab rail shall be mounted to the fore and aft side of the entry door. A stanchion and modesty panel shall be mounted in front of the first seat on the curbside of the bus. The stanchion behind the driver shall incorporate the 26" Flatscreen monitor.

Comply _____ yes/no. Description _____

15) Operators Area

a) General – The operator's work area shall be designed to minimize glare to the extent possible. Objects within and adjacent to this area shall be dark gray in color wherever possible to reduce the reflection of light onto the windshield.

Comply _____ yes/no. Description _____

b) Visors - Adjustable sun visor(s) shall be provided for the side of the windshield the operator's side window and the hostess seat.

Comply _____ yes/no. Description _____

c) Operator's controls – The chassis manufacturer's standards switches, gauges and controls are acceptable. All switches and controls added by the body manufacturer shall be conveniently located on a pod directly in front of the operator and shall provide ease of operation. The location of the pod shall not interfere with the operator's viewing area. The switches shall be of the backlit rocker type. The air conditioning controls are exempt from this requirement.

Comply _____ yes/no. Description _____

d) Driver's seat – Shall be a recliner mechanism, lumbar adjustment, armrests, and a 3-point lap and shoulder belt. Any deviation from this specification must be approved by the purchaser in writing prior to the bid due date.

Comply _____ yes/no. Description _____

e) Interior Mirrors – the rearview mirror provided shall be a minimum of 6" tall by 9" wide.

Comply _____ yes/no. Description _____

f) Interior defrost fans shall be provided on both sides of the bus.

Comply _____ yes/no. Description _____

g) A locking overhead storage box shall be provided for the driver.

Comply _____ yes/no. Description _____

17) Exterior Appearance

a) The bus shall be all white

Comply _____ yes/no. Description _____

18) Safety Equipment

a) The bus shall be equipped with a 10 lbs. fire extinguisher, a 31 unit first aid kit, a set of 3 safety triangles, and a back up alarm.

Comply _____ yes/no. Description _____

19) Delivery

a) Delivery should be made to Mississippi Valley State University campus no later than 30 days after receipt of order.

Comply _____ yes/no. Description _____

REQUIRED SUPORTING DOCUMENTATION

The following documentation shall be provided with the bid. Failure to provide the proper documentation will deem your bid non responsive.

Comply
Yes / No

_____ Copy of complete 10 year 350,000 mile Altoona test report.

_____ Floor plan drawing of the proposed seating arrangement shall be provided. This floor plan shall show knee spacing, entry door width, isle width, exterior & interior dimensions and maximum standees allowed.

_____ Brochures of seats being proposed.

_____ Bus Specifications with Option Content

_____ Letter from the vehicle manufacturer that certifies you are licensed to sell this product in the state of Mississippi.

$_____ TOTAL PRICE FOR EACH VEHICLE BEING BID

Date:_____ Company:_____

Phone #:_____ Authorized Signature:_____

Fax #:_____ Address:_____

City/State/Zip:_____