

## Procurement of School Buses for UP Cebu

### TECHNICAL SPECIFICATIONS

<b>COUNTY Bus 29+1 Seats</b>	<b>₱ 2,842,000.00</b>
<b>AEROBUS Bus 45+1 Seats</b>	<b>7,158,000.00</b>
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	<b>10,000,000.00</b>

Inclusions are as follows:

- Free 3 Years LTO Registration w/ TPL
- Owner's Manual
- Tint,
- Early warning device
- Complete Set of tools
- Warranty Booklet
- Free Operators Training during the unit handover
- 3 Years or 200,000 kilometers warranty whichever comes first
- Delivery date 180 working days

**PRODUCT SPECIFICATIONS FOR COUNTY BUS**

<b>MODEL</b>	<b>County</b>	
Seating Capacity	29+1 Seater	
Engine	D4DB	
Type	3.9L SOHC , Two valves per cylinder	
Displacement	3907cc	
Max. Power	130 ps @ 2,900 rpm	
Max. Torque	38 kg-m @ 1,600 rpm	
Turbocharger	WGT, Intercooler	
Air Filter	Cyclonic dry paper element	
Emission Control	Cooled EGR	
Fuel Tank Capacity	95 L, Steel	
Max. Speed	111 kph	
Gradeability (tanQ) %	38	
Type	Vacuum assisted Hydraulic control , Single dry plate, Power Clutch	
Facing Material	Non-Asbestos	
Model	M035S5 (O.D) 5-Speed MT	
Type	5 forward and 1 reverse speed, 1st to 5th synchromesh, reverse constant-mesh gears	
Battery	24V-80AH	
Alternator	24V-70A	
Starter	24V-5.0KW	
Cab	Tilt type with torsion bars, all steel welded construction with safety zone design	
Frame	"H" type frame with channel sectional side rail & cross members , side rail is reinforced with outer stiffeners	
Steering	2-Spoke, Ball-nut type, Tilt & Telescopic steering column, Power assist	
Suspension (Front/Rear)	Semi-elliptic , laminated leaf springs with shock absorber	
Shock Absorber	Hydraulic double acting telescopic type on the front & rear axles	
Brakes	Service Brake	Hydraulic with vacuum servo assistance, dual circuit
	Parking Brake	Internal expanding type on propeller shaft at the rear of transmission assy
Tire	7.00R x 16 - 12PR	
Wheel	5.50 F - 16 - 115 - 8T with Wheel Cover	
Axle	Front	Reverse Elliot type " I " beam
	Capacity (kg)	2,600
	Rear	Full Floating Type
	Capacity (kg)	4,100
Empty Weight (kg)	4,085	
GVW (kg)	6,670	

Wheelbase	mm	4,085	
Overall	Length	mm	7,085
(C/Cab)	Width	mm	2,035
	Height	mm	2,630 (A/con: 2,755)
Overhang	Front	mm	1,195
(C/Cab)	Rear	mm	1,805
Min. Ground Clearance			195
Body type		Frame type	
Windshield Glass		One piece type with laminated safety glass	
Windshield Wipers		Dual electric three speed, wiper & washer tank 1.6 liter	
Outside rear view mirror		2 pieces deluxe type on both sides	
Side glass		Full sliding type	
Rear glass		One piece type with tempered glass, Rear under view mirror	
Bumper	Front	Pressed plastic painted bumper	
	rear	Pressed steel painted bumper	
Door	Driver's Door	Manual swing type	
	Mid Door	Automatic swing type	
Head lamps		Semi-Sealed beam - White	
Combination Lamps	Front	Turn signal/Hazard-Amber, Position-White	
	Rear	Turn signal/Hazard-Amber, Tail/Stop-Red	
Driver's Seat		Sliding, reclining	
Passenger's Seat		Steel tube framing type with semi-cloth covering	
Roof Covering		Full-Formed Headliner with A/C duct and housing	
Sunvisor		Folding type, left hand side above windshield glass	
Side Wall		Full Trim	
Shelves	Type	Board type	
	Capacity (WxHxL)	315 x 200 x 3,760	
Floor Covering		Luckstrong mat	
Room Lamp		Fluorescent	
Reading Lamp		with	
Clock		Digital	
Instrument Meter		Speedometer with Odometer	
Tachometer		Electronic Type	
Audio System		Radio (M200)	
Curtain Rail		with	
Airconditioning System		Roof In A/C with Electric Ventilator	
Luggage Compartment		with	

Safety	
Load Sensing Prop. Valve	with
Seatbelts	3-Point ELR (Driver); 2-Point NLR (Passenger)
Fire Extinguisher	with
Anti-theft System	Double Locking Key System
Reverse Warning Buzzer	with
Unit	



**PRODUCT SPECIFICATIONS FOR AERO BUS**

<b>MODEL</b>		<b>Aero Bus</b>
Type	6 in-line, Electronic Diesel	
Displacement	11,149cc	
Max. Power	300 ps	
Max. Torque	120 kg-m	
Turbocharger	intercooler charger (for confirmation)	
Air Filter	dry paper element	
Fuel Tank Capacity, L	200 L	
Max. Speed	117 Kph (for confirmation)	
Turning Radius, m	8.9	
Type	Hydraulic control with air assisted, Single dry plate	
Facing Material	Non-Asbestos	
Model	M10S5 (for confirmation)	
Type	5 forward & 1 reverse	
Battery	24V-150AH	
Alternator	24V-180A	
Starter	24V - 5.5KW	
Frame type	Semi-Monocoque	
Main Section	Front (HxWxt)	180 x 90 x 4.5 t
	Rear (HxWxt)	200 x 80 x 7 t
Steering	2-spoke, ball-nut type, Tilt & Telescopic steering column	
Suspension (Front/Rear)	Semi-elliptic, laminated leaf springs	
Shock Absorber	Hydraulic double acting telescopic type on axles	
Brakes	Service Brake	Full air, dual circuit
	Parking Brake	Spring loaded type parking brake on the rear wheels
Tire	11R22.5-16PR	
Axle	Front	Reverse Elliot type " I " beam
	Capacity (kg)	6,000
	Rear	Full Floating Type
	Capacity (kg)	10,000
Empty Weight (kg)	10,505	
GVW (kg)	16,000	
Wheelbase	mm	5,400
Overall	Length mm	10,955
	Width mm	2,490
	Height mm	3,020 (3,210 with A/C)
Overhang	Front mm	2,320
	Rear mm	3,235
Min. Ground Clearance	235	
Body type	Semi- Monocoque	
Windshield Glass	Two pieces type with laminated safety glass	
Windshield Wipers	Electric high & low speed, wiper with intermittent relay and washers operated electrically	

Outside rear view mirror		Deluxe type on both sides
Side glass		Bottom sliding type (full fixed type)
Rear glass		One section type with tempered glass
Bumper	Front	Pressed steel painted bumper
	rear	Pressed steel painted bumper
Door	Front	Auto folding
Head lamps		Semi-sealed beam, two dual lamp (70W -2 white)
	Front	Turn signal/Hazard-Amber, Position-White
	Rear	Turn signal/Hazard-Amber, Tail/Stop-Red
Driver's Seat		Adjustable up and down & fore and after reclining seat
Passenger's Seat		<b>FIXED</b> type with vinyl leather covering
Sunvisor		Roll curtain type, left hand side above windshield glass
Floor Covering		Linoleum mat
Room Lamp		Fluorescent
Clock		Analogue
Instrument Meter		Speedometer with Odometer
Tachometer		Electronic Type
Audio System		Radio
Curtain Rail		with
Airconditioning System		Roof A/C
Seatbelts		3-Point ELR (Driver)
Fire Extinguisher		with

