

SPECIFICATION NO. MTD-947-014-25		Page 1 of 10
TENDERER'S NAME:		NO:
TENDER NO:	ITEM NO:	QTY:
DESCRIPTION: 45-52-SEATER SEMI-LUXURY BUS.		

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
Make	-	
Model	-	
Country of origin	-	
Manufacturer's literature, authority and specifications of bus chassis supplied.	Yes (Mandatory)	----- (Y/N)
Detailed engineering drawings (with dimensions/seating arrangements) of the bus body supplied.	Yes (Mandatory)	(Y/N)

1. GENERAL

a)	A standard production, large bus of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)
b)	Supplied new.	Yes (Mandatory)	(Y/N)
c)	Designed to heavy-duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)
d)	Suitable for transportation of passengers	Yes	(Y/N)
e)	To seat 42-52 adult passengers comfortably.	Yes	(Y/N)

2. DIMENSIONS, WEIGHTS AND PERFORMANCE

a)	Overall length, approx.	8,200 mm	mm
b)	Overall width, approx.	2,400 mm	mm
c)	Overall height with body, approx.	3,000 mm	mm
d)	Wheelbase, approx.	4,500 mm	mm
e)	Ground clearance, approx.	220mm	mm
f)	Max. G.V.W., approx.	10,000 Kg	Kg

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g) Kerb weight, approx. (Complete Bus), approx.	4,500 Kg	Kg
h) Max. gradient, approx.	specify	degrees
l) Wading depth, approx.	specify	mm

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Engine position, front/rear.	front	(Y/N)
e) Engine type Diesel, 4 Stroke.	Yes, Yes	(Y/N)
f) Engine mode of aspiration.	Specify	
g) Engine cooling system, water.	Yes	(Y/N)
h) Piston displacement, approx.	3,900-9,000 cc	cc
l) Number of cylinders.	4-6	No.
j) Maximum power output, (kW / rpm), min.	125kW/2800rpm	KW/rpm
k) Maximum torque developed (Nm / rpm), min.	450Nm/1500rpm	Nm/rpm
l) Air filter, disposable/oil bath	Specify	
m) Oil and fuel filter type.	replaceable	
n) Average fuel consumption (on full load)	Specify	Km/l
o) Fuel tank capacity, approx.	200 lt	lt

4. CLUTCH AND TRANSMISSION

a) Clutch type, dry, single plate.	Yes, Yes	(Y/N)
b) Hydraulic, clutch actuation.	Yes	(Y/N)
c) Transmission speeds	6 speed	speed

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d) Drive configuration	4x2	

5. BRAKES AND TYRES

a) Assisted hydraulic brake system.	Yes, Yes	(Y/N)
e) Mechanical Parking brake.	Yes	(Y/N)
d) Tire treads dual, for highway and x-country operation.	Yes	(Y/N)
e) Tire (size) locally available.	Yes	(Y/N)
f) Optimum tire size.	specify	

6. SUSPENSION AND STEERING

a) Independent Heavy-duty front and rear suspension.	Yes	(Y/N)
b) Heavy duty leaf or coil springs with telescopic dampers.	Specify front	
	rear	
c) Assisted steering.	Yes	(Y/N)
d) Right hand drive steering.	Yes	(Y/N)
e) Drivers seat adjustable	Yes	(Y/N)

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth, with alternator charging.	24V, Yes	(Y/N)
b) Battery capacity.	120AH, 2x12V.	
c) Full lighting to conform to Cap.403 Subs.23 Kenya Traffic Act.	Yes	(Y/N)
d) Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)
e) Lamps - 2 heads, parking indicator and tail to		

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SPECIFICATION	REQUIRED	TENDERER'S
conform to Kenya Traffic Act.	Yes, Yes, Yes	(Y/N)

8 EQUIPMENT (ACCESSORIES)

a)	All seats to have safety belts that conform to the KEBS standard No. KS 06-664 of 1985	Yes (Mandatory)	(Y/N)
b)	Heavy duty front fender fitted.	specify	(Y/N)
c)	Spare wheel and external carrier fitted.	Yes	(Y/N)
d)	High raise jack and jacking points and wheel brace.	Yes, Yes	(Y/N)
e)	Suitable FM radio and CD player fitted	Yes (Mandatory)	(Y/N)
f)	Manufacturer's standard tools supplied.	Yes, Yes	(Y/N)
g)	Any other equipment (or accessories) supplied	specify	

B. BODY CONSTRUCTION DETAILS

i. GENERAL

a)	Detailed engineering drawings (Showing seating arrangement etc) of body supplied.	Yes Mandatory	(Y/N)
b)	Coach construction and other fitments to comply with CAP 403- Kenya Traffic Act and KEBS 372 Standard.	Yes (Mandatory)	(Y/N)
c)	Bus fitted with priority seats, suitable for use by persons living with disabilities.	Yes (Mandatory)	(Y/N)

ii. BODY CONSTRUCTION

a)	Body to be mounted onto the chassis by equally spaced pre-stressed channel sections convenient for door and wheels.	Yes	(Y/N)
b)	Cross bearers, mild steel channel section:	Dimension: 100mmx50mmx6mm	-----

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	No. min 9	-----
c) Cross bearers secured to chassis by bolted angle iron sections.	Yes	(Y/N)
d) Body side pillars secured to cross bearers by gussets and welding reinforced properly by box angle sections.	Yes	(Y/N)
e) Side pilfers of angle iron/mild steel top hat sections, min spacing approximately	40mmx40mmx3mm/ 220mmx40mmx40mm x3mm 1 m apart spacing section.	
f) Roof sticks be of box sections and curved to give an internal radius to pilfers, min.	40mmx40mmx3mm/ 220mmx40mmx40mm x3mm radius 300mm	
g) Roof reinforced by angle top hat iron longitudinal sections. min No.	3 No.	
h) Body to be of double skin construction Thickness of material approx. 1.2mm	Yes Specify thickness of material	(Y/N) -----mm
i) Exterior panels to be of light alloy material while the interior is plywood covered by Formica and suitable carpet material on the roof.	Specify materials	
j) Panels to be secured to frame by sealed pop rivets or spot welding or any other acceptable method	Specify method	
k) Floor covered with non-slip chequered alloy plate of thickness 3mm approx.	Yes Specify thickness	(Y/N) -----mm
l) All inspection covers on floor to be close fit secured by locks and of adequate dimensions for access to units for maintenance etc.	Yes	(Y/N)
m) Wheel arches made from non-slip mild steel plate	Yes	(Y/N)

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lined with noise deadening material.		
n) Continuous up to the roof anti-roll bars (rectangular hollow sections, double 60x40x2mm/40x40x3mm, welded together/equivalent), 2sets (front and rear) fitted as per KS 372 STANDARD.	Yes (Mandatory)	------(Y/N)

iii) DOORS, SEATS, WINDOWS, BODY FINISHING ETC.

a) Lockable passenger door towards front opening inwards	Yes	(Y/N)
b) Mild steel non-slip chequered steps provided for the passenger door.	Yes	(Y/N)
c) Lockable driver door to open outwards with suitable non-slip steps provided for easy access	Yes	(Y/N)
d) Specify seating arrangement.	Specify	
e) All seats cushioned and covered with hard wearing material. Seating cushion and back rest foam thickness, min	Specify material 100mm, 50mm respectively.	
f) Seats suitably fitted with integral head rests and chrome plated grab handles/or equivalent	Yes	(Y/N)
g) Seat spacing between rows, approx.	750mm	mm
h) Lockable boot (with keys) located at rear for the spare wheel, jack and tool kit with a runner and dust seal to keep away rain.	Yes	(Y/N)
j) Provision for side luggage compartments	Mandatory	(Y/N)
k) Chrome plated roof hand rail to run the entire length of bus.	Yes	(Y/N)
l) Two piece laminated front and rear wind shield fitted.	Yes	(Y/N)

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m) All other windows to be of clear toughened glass.	Yes	(Y/N)
n) Panoramic (wide view) sliding windows fitted in aluminium frame and lockable from inside.	Yes	(Y/N)
o) Suitable size 4 No. ventilators on front and rear panel of body, with insect excluding gauze, with control inside bus.	Yes	(Y/N)
p) Body panels to be thoroughly cleaned before painting. Both internal and external finish to be proceeded by primer coat and inter coat.	Yes	(Y/N)
q) High gloss finish colour both for internal and external, branding, signage to be specified by the user.	Yes Mandatory	(Y/N)
r) Body under parts and floor to be painted chassis black colour.	Yes	(Y/N)
s) Windows to have suitable curtain and curtain rails or equivalent	Yes	(Y/N)
t) Suitable interior roof rack fitted.	Yes (Mandatory)	(Y/N)
u) Suitable overhead carrier and side ladder fitted.	Yes-detachable	(Y/N)
v) Suitable seats minimum 1-2 No. for persons with disability fitted near entry. it should be of lower sitting level and with suitable hand handles for ease of his/her usage. As per customer request	Yes (Mandatory)	(Y/N)

iv). ELECTRICAL SYSTEM, ACCESSORIES ETC.

a) Adequate fluorescent tube lighting for passenger deck, with switch operated by driver.	Yes	(Y/N)
b) Courtesy bell/buzzers provided with 2 switches one above door.	Yes	(Y/N)
c) Each windscreen piece to have its own wiper.	Yes	(Y/N)

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d) 2 No. external and 1 No. internal rear-view mirrors fitted.	Yes	(Y/N)
e) Suitable sun strips blinders fitted on front windscreen.	Yes	(Y/N)
f) Chevrons and reflectors fitted at rear.	Yes	(Y/N)
g) Safety triangles and 1 No. suitably positioned fire extinguisher supplied.	Yes (Mandatory)	(Y/N)
h) Vehicle to be fitted with electronic speed Governor	Yes (Mandatory)	----- (Y/N)
i) Governor to limit maximum speed to 80km/hr	Yes (Mandatory)	----- (Y/N)
j) Governor to be tamper proof	Yes (Mandatory)	----- (Y/N)
k) 1 No. first aid kit fully loaded for 50 people, fitted.	Yes (Mandatory)	(Y/N)
l) Flat screen TV, 32 inches fitted	Yes (Mandatory)	(Y/N)

v) BODY WARRANTY

a) Specimen of vehicle/body warranty to be submitted when tendering.	Yes Mandatory	(Y/N)
b) Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	(Y/N)
c) Warranty duration:	Min. 12 Months or 100,000 Km whichever occurs first.	Months Km

vi) MANUALS

a) All literature in English language.	Yes	(Y/N)
b) Drivers' handbook and service schedule supplied.	1 per vehicle	(Y/N)
c) Manufacturer's standard tool kit supplied	1 per vehicle	____ (Y/N)

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vii) OTHER REQUIREMENT

a)	Vehicle/bus to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)
b)	Vehicle/Bus to bear Institution logo, branding and signage.	Yes (Mandatory)	_____(Y/N)
c)	Vehicle/bus will be inspected by the Chief Engineer - Mechanical during all the construction stages and before delivery to the user.	Yes (Mandatory)	_____(Y/N)
d)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----
e)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	----- ----- -
f)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop's facilities.	Specify	----- ----- --
g)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)

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