

SPECIFICATION NO. MTD-1973-012-19		Page 1 of 8
TENDER'S NAME:		NO:
TENDER NO:	ITEM NO:	QTY:
DESCRIPTION: <u>REFUSE COLLECTION TRUCK (SIDE LOADER, NONE COMPACTING WITH EJECTION (TIPPING) SYSTEM). 7TON</u>		

TENDERER'S Column to be completed by ALL TENDERERS

SPECIFICATION	REQUIREMENT	TENDERER'S
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A. TRUCK (CAB-CHASSIS)

MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S LITERATURE, AUTHORIZATION AND SPECIFICATIONS SUPPLIED.	Yes Mandatory	------(Yes/No)

1. GENERAL

a)	A standard production, 4x2, 7 ton payload, refuse collection side loader truck, with ejection(tipping) system , of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)
b)	Supplied new.	Yes	------(Yes/No)
c)	Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)
d)	Suitable for collecting, transporting and discharging refuse.	Yes	------(Yes/No)
e)	Truck to be loaded manually on both sides and to discharge (tip) refuse at the rear.	Yes Mandatory	------(Yes/No)
f)	Control Forward/Normal	Specify	-----

2. DIMENSIONS AND WEIGHTS

a)	Overall length, min.	7,000mm	_____mm
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Tenderer's Signature Date:	Official stamp.
-------------------------------	-----------------

SPECIFICATION NO. MTD-1973-012-19

Page 2 of 8

TENDER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

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b)	Overall width, approx.	2,300mm	_____mm
c)	Overall height, min.	2,600mm	_____mm
d)	Wheelbase, min.	4,000mm	_____mm
e)	Length of chassis aft of cab, min.	4,000mm	_____mm
f)	Kerb weight, min.	3,500Kg	_____Kg
g)	G.V.W., min.	12,500kg	_____Kg
h)	Payload min.	7,000 Kg	_____Kg
i)	Permissible/legal front (steering) axle load, max.	8,000Kg	_____Kg
j)	Permissible/legal rear (dual axle load, max.	10,000Kg	_____Kg
k)	Turning radius, approx.	8,800mm	-----mm

3. ENGINE

a)	Make	-	
b)	Model	-	
c)	Country of origin	-	
d)	Engine performance curves supplied.	Yes	_____ (Y/N)
e)	Diesel Engine, water cooled, 4 Stoke.	Yes, Yes, Yes	_____ (Y/N)
f)	Mode of aspiration. (Natural/Turbocharged)	specify	_____
g)	Piston displacement, approx.	4,500 – 10,000cc	_____cc
h)	Number of cylinders	6	_____No.
i)	Maximum power output / rpm, min.	160Hp / 3000rpm	_____Hp/rpm
j)	Maximum torque developed /rpm, min.	440Nm /1700rpm	_____Nm/rpm
k)	Air cleaner type, disposable/ oil bath.	specify	_____

Tenderer's Signature
Date:

Official stamp.

SPECIFICATION NO. MTD-1973-012-19		Page 3 of 8
TENDER'S NAME:		NO:
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l)	Oil and fuel filter type	disposable	_____
m)	Average fuel consumption (on full load)	specify	_____ km/l
n)	Fuel tank capacity, approx.	200Lt	_____ Lt
o)	Extra fuel tank fitted	Yes	_____ (Y/N)
	Capacity	specify	_____ Lt

4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)
b)	Clutch, system actuation, Hydraulic	Yes	------(Yes/No)
c)	Gearbox, synchromesh.	Yes	------(Yes/No)
d)	Number of speeds,min.	5F, 1R	-----F/---- R
e)	Drive configuration.	4x2	----- x-----

5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)
c)	Rear tyres.	Dual	-----
d)	Tires size locally available.	Yes	------(Yes/No)
e)	Optimum tire size	Specify	-----
f)	Suspension, front and rear heavy-duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	------(Yes/No)
b)	Steering Type, assisted.	Yes	------(Yes/No)

Tenderer's Signature	Official stamp.
Date:	

SPECIFICATION NO. MTD-1973-012-19		Page 4 of 8
TENDER'S NAME:		NO:
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c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)
d)	Adjustable driver's seat.	Yes	------(Yes/No)
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Yes/No)
b)	Battery capacity and size.	Specify	-----AH
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)

8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	------(Yes/No)
b)	Laminated (safety) windshield.	Yes	------(Yes/No)
c)	Sun visors supplied.	Yes	------(Yes/No)
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)
g)	Any other equipment (or accessories) supplied.	Specify	----- -----

Tenderer's Signature Date:	Official stamp.
-------------------------------	-----------------

SPECIFICATION NO. MTD-1973-012-19		Page 5 of 8
TENDER'S NAME:		NO:
TENDER NO:	ITEM NO:	QTY:
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h)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory -----(Yes/No)
i)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory -----(Yes/No)
j)	Governor to be tamper proof	Yes, Mandatory -----(Yes/No)

B. CREW CABIN

BODY CONSTRUCTION		
9 REFUSE COLLECTION BODY		
a)	The requirement is for a fabricated steel refuse collection body type to be mounted on the cab chassis.	Yes, Yes _____(Y/N)
b)	Designed and fitted as per the Truck chassis manufacturers specifications.	Yes -----(Y/N)
c)	Standard manufacturers shape –semi circular type cross section, diameter height, 2500x1800mm approx.	Yes, Specify -----(Yes/No)
d)	Tipper body dimensions approx, Length Width height	4,000mm -----mm 2,500mm -----mm 1,800mm -----mm
e)	A suitable steel fabricated refuse collection and tipping body or any other suitable material strong and able to resist corrosion ; covered to prevent refuse falling during movement of truck	Yes Specify body material -----(Yes/No)
f)	Body to have a suitable tipping mechanism at the front underside of body to enable refuse discharge.	Yes, Mandatory -----(Yes/No)

Tenderer's Signature Date:	Official stamp.
-------------------------------	-----------------

SPECIFICATION NO. MTD-1973-012-19		Page 6 of 8
TENDER'S NAME:		NO:
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	Specify type of tipping mechanism and where located
g) Tipping controls to be located in the drivers cabin	Yes, Mandatory Specify	------(Yes/No)
h) To have suitable lateral opening (up-down sliding) doors with rails on the sides about 4No. for manual loading of refuse.	Yes, Mandatory Specify	------(Yes/No)
i) Body floor fabricated from 4mm thick mild steel plate (full width) reinforced.	Yes	----- (Y/N)
j) Fitted with under floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.	Yes	------(Yes/No)
k) To have a suitable door at the rear for tipping (discharging) refuse.	Yes	------(Yes/No)
l) All doors to have suitable ladders/steps and grip handles.	Yes	------(Yes/No)
m) Suitable size tool box to be fitted under body on the left side.	Yes	----- (Y/N)
n) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Y/N)
o) Suitable size rear mudguards fitted.	Yes	----- (Y/N)
p) Stone guards fitted for tail lights.	Yes	----- (Y/N)

Tenderer's Signature Date:	Official stamp.
-------------------------------	-----------------

SPECIFICATION NO. MTD-1973-012-19		Page 7 of 8
TENDER'S NAME:		NO:
TENDER NO:	ITEM NO:	QTY:
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10. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)
c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months

11. MANUALS

a)	All literature in English language.	Yes	------(Yes/No)
b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)
d)	Driver's handbook and service schedule supplied.	1 per vehicle	------(Yes/No)

12. ADDITIONAL REQUIREMENTS

a)	All body steelwork to be thoroughly cleaned before painting to reduce corrosion. Both internal and exterior finish to be proceeded by one coat primer (red oxide) and intercoat. User to choose final colour and signage.	Yes, Yes, Yes	----- (Y/N)
a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)
c)	Franchise holder (representative in Kenya)	Yes	------(Yes/No)

Tenderer's Signature Date:	Official stamp.
-------------------------------	-----------------

SPECIFICATION NO. MTD-1973-012-19		Page 8 of 8
TENDER'S NAME:		NO:
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If not, specify relationship with the Franchise holder	Specify whether agent/dealer	_____
d) Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____

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