

TENDER'S NAME:

NO:

TENDER NO: EAPCC/OT/138/2017

QTY: 1

DESCRIPTION: RIGID DUMP TRUCK , 6X6, 38-45 TON PAYLOAD, OFFROAD.

TENDERER'S Column to be completed by ALL TENDERERS

SPECIFICATION	REQUIREMENT	TENDERER'S
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## A. CAB-CHASSIS.

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

## 1. GENERAL

a) A standard production, articulated dump truck, 6x6, 38-45 ton payload, off-road, 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 , off road.	Yes, Yes, Yes	----- (Yes/No)
d) Suitable for mining operations	Yes	----- (Yes/No)
e) Control Forward/Normal, right hand drive	<b>specify</b>	-----

## 2. DIMENSIONS AND WEIGHTS

a) Overall length, approx.	10,000mm	-----mm
b) Overall width, approx.	3,500mm	-----mm
c) Overall height approx.	3,800mm	-----mm
d) Wheelbase, approx.	4,300+ 1000mm	-----mm
e) Articulation distance from front axle, approx.	1,800mm	-----mm
f) Length of chassis aft of cab, approx.	6,400mm	-----mm
g) Kerb weight approx.	29,000Kg	-----kg
h) G.V.W approx.	67,000Kg	-----kg
i) Payload .	38,000-45,000Kg	-----kg
j) Turning radius, approx.	8,800mm	-----mm

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k) Max Steering angle min	45°	-----°
l) Power to weight ratio empty	10-12KW/T	-----10-12KW/T
m) Power to weight ratio loaded	4.5-5KW/T	-----10-12KW/T
n) Travel speed	50/30km/h	-----/------km/h
p) Load over height	3000mm	-----mm
q) Ground pressures empty front/rear axle	90/50 kpa	-----/------kpa
r) Ground pressures loaded front/rear axle	130/150 kpa	-----/------kpa
s) Interior sound level	74dB	-----
t) Hard and arm vibrations	Less than 2.5m/s	-----
u) Whole body vibration	Less than 0.5m/s	-----

3. ENGINE

a) Make	-	-----
b) Model	-	-----
c) Country of origin	-	-----
d) Engine performance curves supplied.	Yes	----- (Yes/No)
e) Diesel Engine, water cooled, 4 Stroke.	Yes, Yes, Yes	----- (Yes/No)
f) Mode of aspiration –Turbocharged with intercooler	Yes mandatory	----- (Yes/No)
g) Piston displacement, approx.	10,000-15,000cc	-----cc
h) Number of cylinders, min.	6	-----no.
i) Maximum power output / rpm min.	420HP / 2200rpm	-----HP/rpm
j) Maximum torque developed /rpm, min.	1800Nm /1200rpm	-----Nm/rpm
k) Air cleaner type, dry type	Specify	-----
l) Oil and fuel filter type	Disposable	-----
m) Average fuel consumption (on full load)	Specify	-----km/l

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	circuit pressure 200bar.		
c)	All steel, spacious ROPS cab to seat 2 passengers comfortably and vibration proof.	Yes, Yes	(Y/N)
d)	Adjustable drivers seat.	Yes	(Y/N)
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes Mandatory	(Y/N)
f)	Heavy duty tipping sub-frame mounted on chassis.	Yes	(Y/N)
g)	Complete hydraulic tipping system including 2 variable displacement piston pumps for tipping and steering and cab mounted controls, hydraulic oil system 220l/min , tipping circuit 280 bar and piping all assembled, tested to operate on the tipper body.	Yes specify	(Y/N)
h)	Engine brake	Yes Mandatory	(Y/N)
i)	Automatic transmission retarder	Yes Mandatory	(Y/N)
j)	Supplementary steering-manual control	Yes Mandatory	(Y/N)

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)	Sunvisors supplied.	Yes	------(Yes/No)
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)

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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) Air conditioning system	Mandatory	------(Yes/No)
h) FM radio	Mandatory	------(Yes/No)
i) Any other equipment (or accessories) supplied.	specify	-----

**B. DUMP.**

Make	-	
Model	-	
Country of origin.	-	
Manufacturer's literature and specifications supplied.	Yes	(Y/N)

**9. GENERAL**

a) Vehicle supplier to build body or sub-contract to a reputable body builder	specify	----- -----
b) If the work is sub-contracted, name sub-contractor.	specify sub-contractor	----- -----
c) An all steel fabricated cargo body, suitable of transporting and tipping quarry materials in mining operations.	Yes, Yes, Yes	----- (Y/N)
d) All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes	----- (Y/N)
e) All body construction and installations to comply with the chassis manufacturer's specifications.	Yes	----- (Y/N)

**10. BODY DIMENSIONS.**

a) Overall length, approx.	5,000 mm	-----mm
b) Height of sides approx.	3,000 mm	-----mm
c) Overall width, approx.	3,000 mm	-----mm
d) Heaped capacity	24-30m <sup>3</sup>	----- m <sup>3</sup>

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e) Level capacity	18m <sup>3</sup>	----- m <sup>3</sup>
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**11. BODY CONSTRUCTION.**

a) Flanged cross bearer's of pre-stressed channel sections, min. 4.8mm thickness equidistantly spaced at a maximum of 500mm apart.	Yes	----- (Y/N)
b) Body floor, sides and tailgate fabricated from abrasion resistant hardened steel plates. Exhaust pipe to run along the body	Yes	----- (Y/N)
c) Headboard clear of cab.	Yes	----- (Y/N)
e) Tailgate suitably reinforced.	Yes	----- (Y/N)
f) Hydraulic tilt cylinders, single stage double acting.	Yes	----- (Y/N)
g) Tipping time, 12 secs.	Yes specify	----- (Y/N) -----
h) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Y/N)
i) Stone guards fitted for tail lights.	Yes	----- (Y/N)

**12. BODY FINISH.**

a) All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be proceeded by one coat primer (red oxide) and intercoat.	Yes, Yes, Yes	----- (Y/N)
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**13. WARRANTY**

a) Each vehicle supplied should carry a statement of warranty.	Yes (Mandatory)	----- (Y/N)
b) Vehicle warranty min., 40,000 Km or 12 Months whichever occurs first.	specify	-----Km -----Months

**14. MANUALS**

a) All literature in English language	Yes	----- (Y/N)
b) Shop Manual, supplied.	1 per Vehicle (Mandatory)	----- (Y/N)

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c) Parts catalogue , supplied.	1 per Vehicle (Mandatory)	----- (Y/N)
d) Drivers handbook and service schedule supplied.	1 per Vehicle	----- (Y/N)

**15. OTHER REQUIREMENT**

a) Body builders to have truck body inspected (by Certifying officer, Vehicle inspection Unit) prior to delivery to user.	Yes	----- (Y/N)
b) Truck to be registered with the registrar of motor vehicles.	Yes	----- (Y/N)
c) Truck will be inspected by the Chief Mechanical and Transport Engineer, through the construction stages for compliance with the specification.	Yes	----- (Yes/No)
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	_____(Y/N) -----
e) Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts in Kenya.	----- ----- ----- -----
f) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities in Kenya.	Specify	----- ----- -----

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