

**DETAILED TECHNICAL SPECIFICATIONS FOR TENDER No. KP2/9AC/PT/02/14-15
FOR THE SUPPLY OF NEW MOTOR VEHICLES**

APPENDIX I – TABLE OF SPECIFICATIONS

	KPLC Specifications	Description	Qty	Drawing No.
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2	KPLC-TPT-08-13-14	Single Cab, Matatu body, 4x4, Diesel, 3800-4200 cc C/crew 7-seater & tool box.	20	S.K No.09366 Sheet D4
3	KPLC-TPT-09-13-14	Heavy Duty, Utility Passenger Vehicle, 4x4, L.W.B., 2800cc-3000cc, Diesel	1	

SINGLE CABIN, 4X4, DIESEL, 3800-4200cc.

QUANTITY: 2

Specification No.KPLC-TPT-07-13-14

Description: Single cab, open pick-up body.

Tenderers's name.....

	KPLC Requirements	Tenderer's Offer
1. GENERAL.		
a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Manufacturer's Authorization Supplied	Yes (mandatory)	
e) Manufacturer's Literature & Brochures Supplied.	Yes (mandatory)	
f) Technical Specification Sheet fully completed and submitted.	Yes (mandatory)	
g) A standard production single cab, 4x4, diesel utility vehicle, open cargo carrier of latest design in the class, robust construction in current production and marketed in Kenya.	Yes (mandatory)	
h) Supplied new.	Yes (mandatory)	
i) Designed for light duty specifications, capable of operating in tropical conditions of mud and dust.	Yes (mandatory)	
j) Most suitable for operating both "on and off" road conditions.	Yes (mandatory)	
k) Most suitable for personnel and cargo transportation.	Yes (mandatory)	
2. DIMENSIONS AND WEIGHTS		
a) Overall length min.	5080mm Yes(mandatory)	
b) Overall width, min.	1700mm Yes(mandatory)	

c) Overall height approx.	2000mm	
d) Wheelbase min.	2900mm Yes (mandatory)	
e) Max. G.V.W. approx.	3200kg	
f) Kerb weight. Max.	2500kg	
g) Ground clearance, min.	230mm Yes (mandatory)	
h) Minimum turning radius, approx.	7.0m	
3. ENGINE		
a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Engine performance curves supplied	Yes	
e) Engine type, diesel, 4 stroke, water cooled	Yes (mandatory)	
f) Piston displacement, within the range.	3800-4200cc (Mandatory)	
g) Number of cylinders, min.	6	
h) Maximum power output (Kw/rpm), approx.	95kw/3600rpm Yes (mandatory)	
i) Maximum torque developed (Nm/rpm), approx.	280Nm/2100rpm Yes (mandatory)	
j) Engine aspiration, natural/turbocharger	Specify	
k) Air filter, disposable/oil bath	Specify	
l) Average fuel consumption (on full load)	Specify Kms/lit	
m) Fuel tank capacity, min.	90 Liters	

4. CLUTCH AND TRANSMISSION		
a) Clutch, dry single plate, diaphragm type	Specify	
b) Hydraulic, clutch actuation	Yes	
c) Manual synchromesh gearbox	Yes	
d) Min. 5-Speed manual/1Reverse	Yes (Mandatory)	
5. ELECTRIC WINCH AND FRONT BUMPER BAR		
a) T-Max Electric winch and Power take-off assembly.	Yes (Mandatory)	
b) Air bag compatible bull bar with T jacking slots.	Yes (Mandatory)	
c) A bull bar with a recessed winch compatible fitment	Yes (Mandatory)	
d) T-Max Electric 11,000LBS winch fitted in front with the operating control box mounted inside the engine room with an extension on the mudguard to connect the remote control.	Yes (Mandatory)	
e) T-Max high lift jack, properly secured inside the rear cabin.	Yes (Mandatory)	
6. BRAKES AND TYRES		
a) Assisted hydraulic, dual brake system	Yes	
b) Drum or disc brake	Specify front	
	Specify rear	
c) Mechanical parking brake, to act on transmission or rear wheels	Yes Specify	
d) Locally manufactured dual purpose tyres	Yes	
e) Optimum tyre size	Specify	
f) Tubed or Tubeless	Specify	
7. SUSPENSION AND STEERING		
a) Front and rear suspension, independent with coil-spring and telescopic dampers	Specify Front:	

	Rear:	
a) Power assisted steering system.	Yes (mandatory)	
b) Right hand drive steering	Yes (mandatory)	
8. PICK-UP BODY		
c) Suitable Cargo box for fitting High raise flat form (street lighting bucket).	Yes (mandatory)	
d) Cargo box floor to be reinforced with the Chequered plate material 12.5mm thick.	Yes (mandatory)	
e) Suitable bolted toolbox.	Yes	
9. BODY AND FINISH.		
a) All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted	Yes	
b) Anti-rust compound applied to under body for seaside operation	Yes	
c) Body finish, high gloss current Kenya power colors as specified by the user.	Yes (mandatory)	
d) Suitable bumper bar for fitting Electric winch.	Yes (Mandatory)	
10. ELECTRICAL SYSTEM AND INSTRUMENTS.		
a) System voltage, negative earth, with alternator charging	12V, Yes, Yes	
b) Battery capacity	1x12V, 70Ah	
c) Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act	Yes	
d) Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc	Yes	
11. EQUIPMENT.		
a) Sunvisors supplied 2 No.	Yes	
b) Rear view mirrors supplied 2 No. External, 1	Yes	

No. Internal		
c) FM, MW, SW radio cassette fitted.	Yes	
d) Spare wheel and external carrier supplied.	Yes	
e) Manufacturer's standard tools, supplied.	Specify	
f) Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools	Yes	
g) Vehicle to be fitted with electronic speed governor.	Yes (mandatory)	
h) Governor to limit maximum speed to 80km/hr.	Yes (mandatory)	
i) Governor to be tamper proof.	Yes (mandatory)	
j) Governor to be certified by Senior Transport Engineer before fitting.	Yes (mandatory)	
k) Anti-theft alarm fitted.	Yes (mandatory)	
l) Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher.	Yes (mandatory)	
m) Supply addition Loose Floor rubber mats	Yes	
12. WARRANTY & FREE SERVICE		
a) Specimen of vehicle warranty to be submitted when tendering	Yes	
b) Each vehicle supplied should carry a	Yes	
c) statement of warranty	Yes (mandatory)	
Vehicle warranty min., 12 Months or	Specify months	
40,000Kmwhichever comes first	Specify Kms (mandatory)	
d) Vehicle Free Service on Labour & Parts	Parts (Kms)	
	Labour (Kms)	
13. MANUALS		
a) All literature in the English language	Yes (mandatory)	
b) Repair manuals, supplied	Yes (mandatory)	

c) Parts catalogue/microfiche/CD, supplied	Yes (mandatory)	
d) Drivers handbook supplied	Yes	
e) Service schedule supplied	Yes	
14. OTHER REQUIREMENTS		
a) Manufacturers' authorization supplied when tendering.	Yes (mandatory)	
b) Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya.	Yes (mandatory)	
c) Vehicle to be registered by Registrar of Motor Vehicles	Yes (mandatory)	
d) Vehicle to be inspected by the KPLC Engineer prior to delivery	Yes (mandatory)	
e) Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities.	Yes (Mandatory)	
f) Body construction and all fitments to conform to Kenya Traffic Act CAP 403.	Yes (Mandatory)	
g) Chevrons and reflectors fitted on rear to conform to Kenya traffics act.	Yes	
h) Car identity on all Glasses and Lights	Yes	
i) Indicate name and physical addresses of all Dealers / Agents where Genuine Spares and back-up service can be obtained in at least five (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret).	Attach list – Yes (mandatory)	

SINGLE CAB, 4X4, DIESEL, 3800-4200cc.

QUANTITY: 20

Specification No. KPLC-TPT-08-13-14

Description: Single cab, open pick-up body constructed complete with Matatu body

Tenderers's name.....

	KPLC Requirements	Tenderer's Offer
1. GENERAL.		
a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Manufacturer's Authorization Supplied	Yes (mandatory)	
e) Manufacturer's Literature & Brochures Supplied.	Yes (mandatory)	
f) Technical Specification Sheet fully completed and submitted.	Yes (mandatory)	
g) A standard production single cabin, 4x4, diesel utility vehicle open cargo carrier suitable for conversion into a Matatu body of latest design in the class, robust construction in current production and marketed in Kenya.	Yes (mandatory)	
h) Supplied new.	Yes (mandatory)	
i) Designed for light duty specifications, capable of operating in tropical conditions of mud and dust.	Yes (mandatory)	
j) Most suitable for operating on both "on and off" road conditions.	Yes (mandatory)	
k) Most suitable for personnel and cargo transportation.	Yes (mandatory)	
2. DIMENSIONS AND WEIGHTS.		
a) Overall length min.	5080mm Yes (mandatory)	
b) Overall width, min.	1700mm Yes (mandatory)	
c) Overall height approx.	2000mm	
d) Wheelbase min.	2900mm Yes (mandatory)	
e) Max. G.V.W. approx.	3200kg	
f) Kerb weight, max.	2500kg	
g) Ground clearance, min.	230mm	

	Yes (mandatory)	
h) Minimum turning radius, approx.	7.0m	
3. ENGINE.		
a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Engine performance curves supplied	Yes	
e) Engine type, diesel, 4 stroke, water cooled	Yes (mandatory)	
f) Piston displacement, within the range.	3800-4200cc (Mandatory)	
g) Number of cylinders, min.	6	
h) Maximum power output (hp/rpm)approx. min.	95kw/3600rpm Yes (mandatory)	
i) Maximum torque developed (Nm/rpm), approx. min.	280Nm/2100rpm Yes (mandatory)	
j) Engine aspiration, natural/turbocharger	Specify	
k) Air filter, disposable/oil bath	Specify	
l) Average fuel consumption (on full load)	Specify Kms/lit	
m) Fuel tank capacity, min. approx.	90 Liters	
4. CLUTCH AND TRANSMISSION.		
a) Clutch, dry single plate, diaphragm type	Specify	
b) Hydraulic, clutch actuation	Yes	
c) Manual synchromesh gearbox	Yes	
d) Min. 5-Speed manual/1Reverse	Yes (Mandatory)	
5. ELECTRIC WINCH AND FRONT BUMPER		

BAR.		
a) T-Max Electric winch and Power take-off assembly.	Yes (Mandatory)	
b) Air bag compatible bull bar with T jacking slots.	Yes (Mandatory)	
c) A bull bar with a recessed winch compatible fitment	Yes (Mandatory)	
d) T-Max Electric 11000LBS winch fitted in front with the operating control box mounted inside the engine room with an extension on the mudguard to connect the remote control.	Yes (Mandatory)	
e) T-Max high lift jack suitably secured at the rear cargo box.	Yes (Mandatory)	
6. BRAKES AND TYRES.		
a) Assisted hydraulic, dual brake system	Yes	
b) Drum or disc brake	Specify front	
	Specify rear	
c) Mechanical parking brake, to act on transmission or rear wheels	Yes Specify	
d) Locally manufactured dual purpose tyres	Yes	
e) Optimum tyre size	Specify	
f) Tubed or Tubeless	Specify	
7. SUSPENSION AND STEERING.		
a) Front and rear suspension, independent with coil-spring and telescopic dampers	Specify Front:	
	Rear:	
b) Power assisted steering system.	Yes (mandatory)	
c) Right hand drive steering	Yes (mandatory)	
8. REAR CREW CAB.		
a) Driver's Cabin - Roomy cab to seat 2 adults comfortably, with driver's seat adjustable	Yes (mandatory)	
b) Rear crew cab to seat at least 6 adults comfortably	Yes (mandatory)	

complete with safety belts.		
c) Suitable bolted toolbox.	Yes (mandatory)	
9. BODY AND FINISH.		
a) All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted.	Yes (Mandatory)	
b) Anti-rust compound applied to underbody for seaside operation.	Yes	
c) Body finish, high gloss colour as specified by the user.	Yes (mandatory)	
d) Suitable bumper bar for fitting Electric winch.	Yes (mandatory)	
10.ELECTRICAL SYSTEM AND INSTRUMENTS.		
a) System voltage, negative earth, with alternator charging	12V, Yes, Yes	
b) Battery capacity	1x12V, 70Ah	
c) Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act	Yes	
d) Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc	Yes	
11.EQUIPMENT.		
a) Sun visors supplied 2 No.	Yes	
b) Rear view mirrors supplied 2 No. External, 1 No. Internal.	Yes	
c) FM, MW, SW radio cassette fitted.	Yes	
d) Spare wheel and external carrier supplied	Yes (mandatory)	
e) Manufacturer's standard tools, supplied	Specify	
f) Hydraulic (telescopic) jack and wheel brace, supplied	Yes (mandatory)	
g) Vehicle to be fitted with electronic speed governor.	Yes (mandatory)	
h) Governor to limit maximum speed to 80km/hr.	Yes (mandatory)	
i) Governor to be tamper proof.	Yes (mandatory)	

j) Governor to be certified by Senior Transport Engineer before fitting.	Yes (mandatory)	
k) Anti-theft alarm fitted.	Yes	
l) Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher.	Yes (mandatory)	
m) Supply addition Loose Floor rubber mats	Yes	
12. WARRANTY & FREE SERVICE.		
a) Specimen of vehicle warranty to be submitted when tendering	Yes	
b) Each vehicle supplied should carry a statement of warranty	Yes (mandatory)	
c) Vehicle warranty min., 12 Months or 40,000Kmwhichever comes first	Specify months Specify Kms (mandatory)	
d) Vehicle Free Service on Labour & Parts	Parts (Kms) Labour (Kms)	
13. MANUALS.		
a) All literature in the English language	Yes (mandatory)	
b) Repair manuals, supplied	Yes (mandatory)	
c) Parts catalogue/microfiche/CD, supplied	Yes (mandatory)	
d) Drivers handbook supplied	Yes	
e) Service schedule supplied	Yes	
14. OTHER REQUIREMENTS.		
a) Manufacturer's authorization supplied when tendering.	Yes (mandatory)	
b) Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya.	Yes (mandatory)	
c) Vehicle to be registered by Registrar of Motor Vehicles	Yes (mandatory)	

d) Vehicle to be inspected by the KPLC Engineer prior to delivery	Yes (mandatory)	
e) Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities.	Yes (Mandatory)	
f) Body construction and all fitments to conform to Kenya Traffic Act CAP 403.	Yes (Mandatory)	
g) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	
h) Car identity on all Glasses and Lights	Yes	
i) Indicate name and physical addresses of all Dealers / Agents where Genuine Spares and back-up service can be obtained in at least five (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret).	Attach list – Yes (mandatory)	

HEAVY DUTY, UTILITY PASSENGER VEHICLE, 4x4, L.W.B., 2800cc-3000cc, DIESEL.

QUANTITY: 1

Specification No.KPLC-TPT-09-13-14

Description: Heavy duty, utility passenger vehicle, 4x4, L.W.B., 2800cc-3000cc, Diesel.

Tenderers's name.....

	KPLC Requirements	Tenderer's Offer
15.GENERAL.		
l) Make	-	
m) Model	-	
n) Country of origin	-	
o) Manufacturer's Authorization Supplied	Yes (mandatory)	

p) Manufacturer's Literature & Brochures Supplied.	Yes (mandatory)	
q) Technical Specification Sheet fully completed and submitted.	Yes (mandatory)	
r) A standard production, 4x4, Diesel utility vehicle station wagon of latest design in the class, robust construction in current production and marketed in Kenya.	Yes (mandatory)	
s) Supplied new.	Yes (mandatory)	
t) Designed to medium duty specifications, capable of operating in tropical conditions in extremes of mud and dust.	Yes (mandatory)	
u) Most suitable for operating both "on and off" road conditions.	Yes (mandatory)	
v) Most suitable for personnel transportation.	Yes (mandatory)	
16.DIMENSIONS AND WEIGHTS.		
i) Overall length min.	5000mm Yes(mandatory)	
j) Overall width, min.	2200mm Yes(mandatory)	
k) Overall height approx.	1850mm	
l) Wheelbase min.	2700mm Yes (mandatory)	
m) Max. G.V.W. approx.	3000kg	
n) Kerb weight. Max.	1800kg	
o) Ground clearance, min.	200mm Yes (mandatory)	
p) Minimum turning radius, approx.	7.0m	
q) Max. gradient, min	0.6 Yes	
r) Wading depth, min.	400mm Yes	
17.ENGINE.		
n) Make	-	
o) Model	-	
p) Country of origin	-	

q) Engine performance curves supplied	Yes	
r) Engine type, diesel, 4 stroke, water cooled	Yes (mandatory)	
s) Piston displacement, within the range.	2800-3000cc Yes (Mandatory)	
t) Number of cylinders, min.	4 No.	
u) Maximum power output (Kw/rpm), approx.	70kw/4000rpm Yes (mandatory)	
v) Maximum torque developed (Nm/rpm), approx.	400Nm/2000rpm Yes (mandatory)	
w) Engine aspiration, natural/turbocharger	Specify	
x) Air filter, disposable/oil bath	Specify	
y) Average fuel consumption (on full load)		
Urban driving	Specify Kms/lit	
Steady 50km/hr	Specify Kms/lit	
Steady 80km/hr	Specify Kms/lit	
z) Fuel tank capacity, min.	90 Liters	
18. CLUTCH AND TRANSMISSION		
e) Clutch, dry single plate, diaphragm type	Specify	
f) Hydraulic, clutch actuation	Yes	
g) All synchromesh gearbox, with 2 speed reduction transfer gearbox	Yes	
h) Transmission speeds,	5 speed Yes (Mandatory)	
i) Permanent 4WD or with selector from 2WD to 4WD	Yes (Mandatory)	
j) Differential lock provided	Yes (Mandatory)	
k) Freewheeling hubs fitted	Yes (Mandatory)	
19. ELECTRIC WINCH AND FRONT BUMPER BAR		

f) System voltage, negative earth, with alternator charging	Yes (Mandatory)	
g) Battery capacity.	1x12V, 70AH	
h) Standard instrument and gauges, warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes (Mandatory)	
20.BRAKES AND TYRES		
g) Assisted hydraulic, dual brake system	Yes, Yes	
h) Drum or disc brake	Specify front	
	Specify rear	
i) Mechanical parking brake, to act on transmission or rear wheels	Yes Specify	
j) Tyre locally manufactured	Yes	
k) Optimum tyre size	Specify size	
l) Tubed or Tubeless	Specify	
21.SUSPENSION AND STEERING		
b) Independent heavy duty front and rear suspension	Yes (mandatory)	
c) Heavy duty leaf or coil springs with telescopic dampers	Specify Front:	
	Rear:	
f) Power assisted steering system.	Yes (mandatory)	
g) Right hand drive steering	Yes (mandatory)	
22.STATION WAGON		
h) 4 No. side doors and rear side-swing door station wagon	Yes (mandatory)	
i) To seat at least 7 adults including driver comfortably.	Yes (mandatory)	
j) Seating arrangements: 2 in front, 3 in middle, & 3-4 at the rear (front facing or facing each other)	Yes (mandatory)	

k) To be fitted with adequate winding/sliding windows for good ventilation and wide view	Yes	
23.BODY AND FINISH.		
e) All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted	Yes	
f) Anti-rust compound applied to under body for seaside operation	Yes	
g) Body finish, high gloss as specified by the user.	Yes (mandatory)	
h) Suitable bumper bar for fitting Electric winch.	Yes (Mandatory)	
i) Fitted with reclining and adjustable driver and passenger seats	Yes	
j) Upholstery reinforced PVC.	Yes (mandatory)	
24.ELECTRICAL SYSTEM AND INSTRUMENTS.		
e) System voltage, negative earth, with alternator charging	12V, Yes, Yes	
f) Battery capacity	1x12V, 70Ah	
g) Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act	Yes	
h) Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc.	Yes	
25.EQUIPMENT.		
n) Heavy duty front fender fitted	Yes	
o) Rear view mirrors supplied 2 No. External, 1 No. Internal	Yes	
p) FM, MW, SW radio cassette fitted.	Yes	
q) Spare wheel and external carrier supplied.	Yes	
r) Manufacturer's standard tools, supplied.	Specify	
s) Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools	Yes	
t) Vehicle to be fitted with electronic speed governor.	Yes (mandatory)	
u) Sun visors supplied.	Yes (mandatory)	

v) Heavy duty hooks at rear and front	Yes (mandatory)	
w) Safety belts provided for all seats belts conforming to KEBS 06-664: 1985 Standard	Yes (mandatory)	
x) Anti-theft alarm fitted.	Yes (mandatory)	
y) Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher.	Yes (mandatory)	
z) Supply addition Loose Floor rubber mats	Yes (mandatory)	
aa) Air conditioner	Yes (mandatory)	
ab) Air bags	Yes (mandatory)	
26. WARRANTY & FREE SERVICE.		
e) Specimen of vehicle warranty to be submitted when tendering	Yes	
f) Each vehicle supplied should carry a	Yes	
g) statement of warranty	Yes (mandatory)	
Vehicle warranty min., 12 Months or	Specify months	
40,000Kmwhichever comes first	Specify Kms (mandatory)	
h) Vehicle Free Service on Labour & Parts	Parts (Kms)	
	Labour (Kms)	
27. MANUALS.		
f) All literature in the English language	Yes (mandatory)	
g) Repair manuals, supplied	Yes (mandatory)	
h) Parts catalogue/microfiche/CD, supplied	Yes (mandatory)	
i) Drivers handbook supplied	Yes	
j) Service schedule supplied	Yes	
28. OTHER REQUIREMENTS.		
j) Manufacturers' authorization supplied when tendering.	Yes (mandatory)	

k) Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya.	Yes (mandatory)	
l) Vehicle to be registered by Registrar of Motor Vehicles	Yes (mandatory)	
m) Vehicle to be inspected by the KPLC Engineer prior to delivery	Yes (mandatory)	
n) Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities.	Yes (Mandatory)	
o) Body construction and all fitments to conform to Kenya Traffic Act CAP 403.	Yes (Mandatory)	
p) Car identity on all Glasses and Lights	Yes (Mandatory)	
q) Indicate name and physical addresses of all Dealers / Agents where Genuine Spares and back-up service can be obtained in at least five (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret).	Attach list – Yes (mandatory)	

