



Kenya Power

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Our Ref. KP1/9A.4/OT/TPT/07/23-24/JN/jmk.

17th May, 2024

TO ALL PROSPECTIVE BIDDERS.

ADDENDUM NO.3: TENDER NO. KP1/9A.4/OT/TPT/07/23-24 FOR SUPPLY OF MECHANIZED FLEET UNITS AND MOBILE PLANT EQUIPMENT.

1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT.

Save where expressly amended by the terms of this Addendum, the Principal Expression of Request document shall continue to be in full force and effect.

The provisions of this Addendum shall be deemed to have been incorporated in and shall be read as part of the tender.

2. AMENDMENTS

The following amendments are made: -

- i) Revision of the specifications for Engine as well as dimensions and weights of the 5ton GVC cab-chassis.
- ii) Added a generic drawing of the 4×2 truck (one drop-side door) and 6×4 truck (two drop-side doors on either side).

Revised specifications are attached as **Appendix – 2**.

3. DEADLINE FOR TENDER SUBMISSION.

Tender submission deadline remains **23rd May, 2024 at 10.00am.**

All the other terms and conditions remain as per the Expression of Interest.

Yours faithfully,

For: KENYA POWER & LIGHTING COMPANY LIMITED.

DR. JOHN NGENO, OGW
GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS

APPENDIX – 2: REVISED SPECIFICATIONS



MECHANIZED FLEET UNITS AND MOBILE PLANT EQUIPMENT, MAY 2024

MECHANIZED FLEET UNITS AND MOBILE PLANT EQUIPMENT

Lot 1: 25tm truck-mounted crane c/w cab-chassis and pole carrier body

<u>25tm truck-mounted crane</u>			
No.	KPLC Requirement	Required	Tenderer's Offer
General Requirements			
a	Truck-mounted crane	Make	State
		Model	State
		Country of origin	State
b	Country dealership authorization from the crane OEM	Attach	
c	Crane manufacturer's authorization	Attach	
d	Provide a specimen crane warranty	Attach	
e	Crane Technical Data Sheets	Attach	
f	Crane supplied new	Yes	____(Yes/No)
g	Crane test certificate for each awarded unit	Yes	____(Yes/No)
Crane Technical Specifications			
a	Minimum Rated Crane capacity (tm)	23	
b	Minimum lifting capacity at 4.5m (kg)	5,200	
c	Minimum lifting capacity at 6.0m (kg)	3,700	
d	Minimum lifting capacity at 8.0m (kg)	2,700	
e	Minimum lifting capacity at 10.0m (kg)	2,100	
f	Minimum lifting capacity at 12.0m (kg)	1,700	
g	Minimum lifting capacity at 15.0m (kg)	1,300	
h	Minimum lifting capacity at 17.0m (kg)	1,100	
i	Number of hydraulic boom extensions	5	
j	Minimum Length of hydraulic boom extensions when fully extended, (m)	9.0	
k	Minimum hydraulic outreach (m)	14.5	
l	Minimum manual extension outreach (m)	17	
m	Minimum lifting height above installation level, hydraulic (m)	17	
n	Minimum lifting height above installation level, manual (m)	19	
o	Minimum slewing angle (°)	400	
p	Maximum height in folded position (mm)	2,400	
q	Maximum width in folded position (mm)	2,600	
r	Maximum installation space required (mm)	1,250	
s	Hydraulic oil flow range (l/min)	40 - 80	
t	Maximum Reservoir capacity (l)	250	
u	Maximum working pressure (MPa)	34.0	
v	Maximum crane weight c/w frame attachments & stabilizer system (kg)	3,800	
w	Hydraulically actuated stabilizer beam extensions	Yes	____(Yes/No)
x	180° tiltable stabilizer legs in storage/transport position	Yes	____(Yes/No)
y	Manual controls on both sides of the truck c/w with a remote control option	Yes	____(Yes/No)

25tm truck-mounted crane			
No.	KPLC Requirement	Required	Tenderer's Offer
z	Adequate load holding valves (as per the original OEM design)	Yes	____(Yes/No)
aa	Powered via engine power takeoff (PTO)	Yes	____(Yes/No)
Truck Technical Specifications			
a.	Drop side rear body as per KPLC generic design drawings	Yes	____(Yes/No)
b.	Truck chassis reinforced prior to crane integration	Yes	____(Yes/No)
c.	Truck body construction capable of pole transportation	Yes	____(Yes/No)
d.	Attach detailed technical drawings of the truck body & chassis design	Attach	
e.	Attach technical drawings of the truck chassis reinforcement design	Attach	
f.	Awarded bidder to ensure compliance with Traffic Act, Cap 403	Yes	____(Yes/No)
g.	Truck compliant with the Comprehensive Truck specifications provided below	Yes	____(Yes/No)
Crane-Truck Integration Requirements			
a.	Crane mounted behind the cab	Yes	____(Yes/No)
b.	Crane stability analysis on the proposed truck	Attach	
c.	Axle loading analysis on the proposed truck	Attach	
d.	Technical drawing of the offered truck/crane assembly	Attach	
Accessories			
a.	High voltage > 5kV alert system: Min. 85db beep and visual warning	Yes	____(Yes/No)
b.	System pressure activated crane operation hour counter	Yes	____(Yes/No)
c.	Attach technical data sheets: Hour counter & high voltage alert	Attach	
Crane Warranty & Free Service			
a.	Minimum of two-year comprehensive warranty from the crane OEM	Yes	____(Yes/No)
b.	Attach a specimen warranty for part (a) above	Attach	
c.	Minimum of ten-year structural warranty form the crane OEM	Yes	____(Yes/No)
d.	Attach a specimen warranty for part (c) above	Attach	
e.	Number and instances of crane free service(s)	No.:	@
Manuals			
a.	All literature in English language	Yes	____(Yes/No)
b.	Cranes supplied with Technical Data Sheet c/w a soft copy	Yes	____(Yes/No)
c.	Cranes supplied with operator & service manuals c/w soft copies	Yes	____(Yes/No)
d.	Cranes supplied with spare parts manuals c/w a soft copy	Yes	____(Yes/No)
Other Requirements			
a.	Tenderer owned after sales & maintenance facilities in Kenya	Yes	____(Yes/No)
b.	Desired truck bodies to be built in consultation with KPLC	Yes	____(Yes/No)
c.	Facilitate assembly line visit. KPLC shall cover expenses for her staff	Yes	____(Yes/No)
d.	Offer 5 KPLC Technical staff minimum 1 week equipment maintenance Training	Yes	____(Yes/No)
e.	Initial/refresher operator training and certification	Yes	____(Yes/No)
f.	All Technical drawings for truck body construction and equipment integration, auxiliary hydraulic circuits, load calculations and stability modeling for the successful bid become the property of KPLC upon	Yes	____(Yes/No)

<u>25tm truck-mounted crane</u>			
No.	KPLC Requirement	Required	Tenderer's Offer
	tender award – final drawing bearing no restrictions to be supplied with the contract - 5 hard copies, soft pdf & auto card copies.		

<u>24ton GVW Truck Technical Specifications</u>			
No.	KPLC Requirements	Required	Tenderer's Offer
General Requirements			
a.	Make:	specify	
b.	Model:	specify	
c.	Country of origin:	specify	
d.	Manufacturer's Literature & Brochures Supplied.	Yes	____(Yes/No)
e.	Technical Specification Sheet fully completed and submitted.	Yes	____(Yes/No)
f.	A standard production, 6 x 4, diesel Heavy duty truck of latest design in the class, robust construction in current production and marketed in Kenya.	Yes	____(Yes/No)
g.	Supplied new	Yes	____(Yes/No)
h.	Vehicle locally assembled.	Yes	____(Yes/No)
i.	Vehicle OEM/OEM Authorized country dealer with Countrywide aftersales support Network – refer to item g*. below	Yes	____(Yes/No)
j.	Designed for heavy-duty specifications, capable of operating in tropical conditions of mud and dust.	Yes	____(Yes/No)
k.	Suitable for operating on both "on and off" road conditions.	Yes	____(Yes/No)
l.	Brand must have sold at least 100 truck units in the Kenyan Market in the 5 years before the tender date – provide evidence & references	Yes	____(Yes/No)
m.	Engine and chassis be made by same manufacturer.	Yes	____(Yes/No)
Dimensions and Weights			
a.	Overall standard length, min. (mm)	9,500	
b.	Overall width min. (mm)	2,400	
c.	Overall height max. (mm)	2,900	
d.	Wheelbase, Min. (mm)	6,300	
e.	Ground clearance, min. (mm)	260	
f.	Kerb/Chassis weight, range. (Kg)	7,000 - 7,500	
g.	Minimum Max. Gross Vehicle Weight, (Kg)	24,000	
h.	Minimum payload capacity front (steering) axle, (kg) – Data sheet to provide the cab-chassis front axle tare weight and maximum allowable load	4,000	
i.	Minimum axle load capacity - rear (for duo axle, dual wheels)(kg)	20,000	
Engine			
a.	Make	specify	
b.	Model	specify	
c.	Country of origin	specify	

d.	Engine performance curves supplied	Yes	____(Yes/No)
e.	Diesel Engine, water cooled, 4 stroke, 6 cylinder	Yes,	____(Yes/No)
f.	Mode of aspiration - Turbo	Yes	____(Yes/No)
g.	Piston displacement, (cc)	7,500 – 8,000	
h.	Minimum Maximum power output (kw)	170	
i.	Minimum Maximum torque (Nm)	700	
j.	Average fuel consumption (on full load – combined cycle) - Specify	Km/Litre	
k.	Fuel tank capacity, min. (litres)	200	
l.	Service Interval Mileage, Min (km)	10,000	
m.	Emission Standard, Minimum	Euro 4	
Transmission and Differential Unit			
a.	Clutch system actuation, Dry Single Plate, Hydraulic control	Yes	____(Yes/No)
b.	Gearbox, Automatic or Manual	Specify	
c.	Gearbox speed ratios, min	9F, 1R	
d.	Drive configuration, 6 x 4	Yes	____(Yes/No)
e.	Grade ability, min (%)	30	
Brakes And Tyres.			
a.	Brakes, hydraulic-pneumatic assisted	Yes	____(Yes/No)
b.	Auxiliary (exhaust) brakes	Yes	____(Yes/No)
c.	Mechanical parking brake	Yes	____(Yes/No)
d.	Supplied c/w Minimum Tyre Rim size	22.5	
e.	Tubeless rim and tyre configuration.	Yes	____(Yes/No)
Steering, Control and Cab.			
a.	Right Hand Drive steering	Yes	____(Yes/No)
b.	Power assisted steering system.	Yes	____(Yes/No)
c.	Tilt Cabin	Yes	____(Yes/No)
Body Construction and Fittings.			
a.	Payload truck constructed suitably to carry poles, general cargo and 25 tm crane over paved and unpaved (rough) roads	Yes	____(Yes/No)
b.	Body cross bearers of pre-stressed channel sections, minimum 100 x 50 x 4.5 mm equidistantly spaced at a maximum of 500 mm apart.	Yes	____(Yes/No)
c.	Body secured to chassis by U-bolts, diameter min 16 mm	Specify	
d.	Body floor fabricated from 3.2 mm thick mild steel plate (full width) reinforced at equal distances with box/channel sections.	Yes	____(Yes/No)
e.	Cargo hold steel platform made from mild steel checker plate of thickness 3.2 mm.	Yes	____(Yes/No)
f.	Fixed tailgate configuration	Yes	____(Yes/No)
g.	Drop sides in minimum two sections on both sides	Yes	____(Yes/No)
h.	Suitable size toolbox, fitted on the carrier cabin and one under body on the left hand side.	Yes	____(Yes/No)
i.	Suitable rear mudguards fitted.	Yes	____(Yes/No)
j.	Stone guards fitted for tail lights, properly safeguard expose No. plate	Yes	____(Yes/No)
k.	Suitable cargo carrier access ladder fitted.	Yes	____(Yes/No)

l.	Chevrons and reflectors fitted on rear to conform to Kenya traffic act.	Yes	____(Yes/No)
m.	All body steelwork to thoroughly clean before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and undercoat.	Yes	____(Yes/No)
n.	Body construction and all fitments to conform Cap 403 Kenya Traffic Act.	Yes	____(Yes/No)
o.	Truck to be painted as per procuring entity corporate branding scheme	Yes	____(Yes/No)
p.	Detailed truck body construction technical drawings to be approved by procuring entity before commencement of body construction works	Yes	____(Yes/No)
Electrical System/Instruments.			
a.	System voltage, negative earth	24V	
b.	Battery capacity, number and size.	Specify	
c.	Full lighting to conform to Kenya Traffic Act Cap 403.	Yes	____(Yes/No)
d.	Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc	Yes	____(Yes/No)
Accessories & Equipment.			
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.	30 Ton Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools with fitting secure storage.	Yes	____(Yes/No)
g.	Vehicle to be fitted with electronic speed limiter by a mutually agreed supplier and a mutually agreed installation protocol	Yes	____(Yes/No)
h.	Speed Limiter to limit speed maximum to 80km/hr certificate provided.	Yes	____(Yes/No)
i.	Speed Limiter to be tamper proof (sealed)	Yes	____(Yes/No)
j.	Speed Limiter to be certified NTSA approved	Yes	____(Yes/No)
k.	Engine immobilizer system fitted.	Yes	____(Yes/No)
l.	2 No. Hazard Triangles, Std First Aid kit KS-2094-2007 and 5kg refillable fire extinguisher. All appropriately secured.	Yes	____(Yes/No)
m.	Supply additional Loose Floor rubber mats	Yes	____(Yes/No)
n.	Tyre inflation pressure pipe and self-inflation kit provided.	Yes	____(Yes/No)
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	____(Yes/No)
c.	Vehicle Minimum comprehensive warranty duration	36 months or 100,000 km	
d.	Vehicle Extended warranty	Specify	
e.	No. & instances of first free service(s)	No.:	@
Manuals			
a.	All literature in the English language	Yes	____(Yes/No)
b.	Drivers handbook supplied for each vehicle	Yes	____(Yes/No)

c.	Service schedule supplied for each vehicle	Yes	____(Yes/No)
Other Requirements			
a.	Vehicle to be registered by Registrar of Motor Vehicles	Yes	____(Yes/No)
b.	Vehicle to be inspected by the procuring entity prior to integration with the crane	Yes	____(Yes/No)
c.	Body construction and all fitments to conform to Kenya Traffic Act CAP 403.	Yes	____(Yes/No)
d.	Chevrons and reflectors fitted on rear to conform to Kenya traffic act.	Yes	____(Yes/No)
e.	Vehicle identity on all Glasses and Lights	Yes	____(Yes/No)
f.	Critical vehicle parts and accessories - fuel tank cap, dip stick, axle shafts, stator motor, alternator, power steering and other loose components safe/secured from easy access to theft.	Yes	____(Yes/No)
g*.	Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in five (5) major towns (Nairobi, Mombasa, Kisumu, Nakuru, Eldoret) plus any two of Thika, Kiambu, Embu, Nyeri, Kisii and Meru	Attach list	

Lot 2: 12tm truck-mounted crane c/w 18ton GVW cab-chassis with pole carrier body

Parts A:

<u>12tm truck-mounted crane</u>				
No.	KPLC Requirement		Required	Tenderer's Offer
General Requirements				
a.	Truck-mounted crane	Make	State	
		Model	State	
		Country of origin	State	
		Country of origin	State	
b.	Country dealership authorization from the crane OEM		Attach	
c.	Crane manufacturer's authorization		Attach	
d.	Provide a specimen crane warranty		Attach	
e.	Crane Technical Data Sheets		Attach	
f.	Crane supplied new		Yes	
g.	Crane test certificate for each awarded unit		Yes	
h.	Crane c/w with boring & auxiliary tools hydraulic circuit(s)		Yes	____(Yes/No)
i.	Each crane supplied with auger drive, extension & drill; and pole tamper		Yes	____(Yes/No)
Crane Technical Specifications				
a.	Minimum Rated Crane capacity (tm)		11	
b.	Minimum lifting capacity at 4.0m (kg)		3,000	
c.	Minimum lifting capacity at 4.5m (kg)		2,600	
d.	Minimum lifting capacity at 6.5m (kg)		1,700	
e.	Minimum lifting capacity at 8.5m (kg)		1,300	
f.	Minimum lifting capacity at 10.0m (kg)		1,100	
g.	Number of hydraulic boom extensions		3	

h.	Minimum Length of hydraulic boom extensions when fully extended, (m)	5.5	
i.	Minimum hydraulic outreach (m)	10	
j.	Minimum lifting height above installation level, hydraulic (m)	13	
k.	Minimum slewing angle (°)	400	
l.	Maximum height in folded position (mm)	2,400	
m.	Maximum width in folded position (mm)	2,500	
n.	Maximum installation space required (mm)	1,100	
o.	Hydraulic oil flow range (l/min)	20 - 70	
p.	Maximum Reservoir capacity (l)	100	
q.	Maximum working pressure (MPa)	35.0	
r.	Maximum crane weight c/w frame attachments & stabilizer system (kg)	2,200	
s.	180° tiltable stabilizer legs – storage/transport position	Yes	____(Yes/No)
t.	Manually controlled from both sides of truck c/w with a remote control option	Yes	____(Yes/No)
u.	Adequate load holding valves (as per the original OEM design)	Yes	____(Yes/No)
v.	Powered via an engine power takeoff (PTO)	Yes	____(Yes/No)
Truck Technical Specifications			
a.	Drop side rear body as per KPLC generic design drawings	Yes	____(Yes/No)
b.	Truck chassis reinforced prior to crane integration	Yes	____(Yes/No)
c.	Truck body construction capable of pole transportation	Yes	____(Yes/No)
d.	Attach detailed technical drawings of the truck body & chassis design	Attach	
e.	Attach technical drawings truck chassis reinforcement design	Attach	
f.	Awarded bidder to ensure compliance: Traffic Act, Cap 403	Yes	____(Yes/No)
g.	Truck compliant with the Comprehensive Truck specifications provided below	Yes	____(Yes/No)
Crane-Truck Integration Requirements			
a.	Crane mounted behind the cab	Yes	____(Yes/No)
b.	Crane stability analysis on the proposed truck	Attach	
c.	Axle loading analysis on the proposed truck	Attach	
d.	Technical drawing of the offered truck/crane assembly	Attach	
Boring/Auxiliary Tools Hydraulic Circuit			
a.	Switching between crane/auger & tools via a selector valve	Yes	____(Yes/No)
b.	Boring rotation controlled on both sides of the truck	Yes	____(Yes/No)
c.	Boring feed controlled from the crane directional control valve	Yes	____(Yes/No)
d.	Valving style of all quick couplings: Flat face	Yes	____(Yes/No)
e.	Designed to serve all supplied tools; attach specimen circuit drawing	Attach	
Quick Couplings			
a.	Make	State	
b.	Model	State	

c.	Country of origin	State	
d.	Body size: 3/8"	Yes	____(Yes/No)
e.	Port size and thread: ½" BSP (ISO1179-1)	Yes	____(Yes/No)
f.	Valving style: Flat face	Yes	____(Yes/No)
g.	Sealing: Nitrile NBR	Yes	____(Yes/No)
h.	Connection system: Push	Yes	____(Yes/No)
i.	Interchange: ISO 16028 or NFPA/T3.20.15	Yes	____(Yes/No)
j.	Material: Carbon steel, Cr3	Yes	____(Yes/No)
k.	Male and female couplings plastic protective caps with lanyard	Yes	____(Yes/No)
l.	Auxiliary tool Pressure port: Female quick coupling	Yes	____(Yes/No)
m.	Auxiliary tool Tank port: Male quick coupling	Yes	____(Yes/No)
n.	Provide catalogues for quick couplings	Attach	
Auxiliary Tools/Auger Drive Connection Hydraulic Hose Kit			
a.	Size: -6	Yes	____(Yes/No)
b.	Two 12m twin-hose kit for hose circuits for the auger & tools	Yes	____(Yes/No)
c.	Exceeds EN857 2SC / SAE 100R16 Type S	Yes	____(Yes/No)
d.	MSHA approved	Yes	____(Yes/No)
e.	Minimum rated working Pressure, 330 bar	Yes	____(Yes/No)
f.	Each hose assembly c/w male and female quick couplings	Yes	____(Yes/No)
g.	Supplied with a suitable hand-operated, twin hose, hose reels	Yes	____(Yes/No)
h.	Hose reel: Inlets- heavy duty 90° swivel joints; Outlets - shaft	Yes	____(Yes/No)
i.	Hose reels mounted inside a lockable compartments	Yes	____(Yes/No)
j.	Boring hose reel on the near-side; tools hose reel on the off-side	Yes	____(Yes/No)
k.	3m twin extension hoses kit c/w quick couplings and a storage pack	Yes	____(Yes/No)
l.	Provide catalogues for hydraulic hoses	Attach	
Auger Drive, Auger Drill c/w Extension			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
d.	Heavy duty planetary auger drive	Yes	____(Yes/No)
e.	Bi-directional auger drive c/w auger extension and augur drill	Yes	____(Yes/No)
f.	Minimum auger motor torque @ approx. 240 bar (kNm)	5.5	
g.	Minimum drilling depth (mm)	1,990	
h.	Drilling diameter (mm)	400 ± 5%	
i.	Auger extension approx. length (m)	1 ± 5%	
j.	Auger motor fitted with quick couplings on 1m long hydraulic hoses	Yes	____(Yes/No)
k.	Auger drive fitted with 1.5m, dash 6, twin hoses c/w couplings	Yes	____(Yes/No)
l.	Auger drill and extension storage facility bolted on the truck body	Yes	____(Yes/No)
m.	Auger ports connection fittings recessed within the auger body	Yes	____(Yes/No)
n.	Drilling bits suited for local conditions: earth and clay/shale	Yes	____(Yes/No)

o.	Provide catalogues for auger drive, auger drill, & drill bits	Attach	
p.	To provide auger drill, extension and drill warranty from the OEM	Yes	____ (Yes/No)
q.	Attach a specimen warranty(ies) for part (p) above	Attach	
Hydraulic Tamper			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
d.	Approx. capacity: 75×200 mm kidney Shoe	State	
e.	Approx. performance (blows per minute)	1,600	
f.	Flow range (lpm)	10 - 35	
g.	Pressure range (MPa)	7 - 14	
h.	Ports: -8 SAE O-ring	Yes	____ (Yes/No)
i.	Pressure fitted with a female quick coupling	Yes	____ (Yes/No)
j.	Tank port fitted with a male quick coupling	Yes	____ (Yes/No)
k.	Maximum weight (kg)	12	
l.	Approx. stroke (mm)	64	
m.	On/off control valve on the handle	Yes	____ (Yes/No)
n.	Hydraulic system type: HTMA Type I and Type II	Yes	____ (Yes/No)
o.	Approx. length (m)	2	
p.	To provide hydraulic tamper warranty from the OEM	Yes	____ (Yes/No)
q.	Attach a specimen warranty for part (p) above	Attach	
Accessories			
a.	High voltage > 5kV alert system: Min. 85db beep and visual warning	Yes	____ (Yes/No)
b.	System pressure activated crane operation hour counter	Yes	____ (Yes/No)
c.	Attach technical data sheets: Hour counter & high voltage alert	Attach	
Crane Warranty & Free Service			
a.	Minimum of two-year comprehensive warranty from the crane OEM	Yes	____ (Yes/No)
b.	Attach a specimen warranty for part (a) above	Attach	
c.	Minimum of ten-year structural warranty form the crane OEM	Yes	____ (Yes/No)
d.	Attach a specimen warranty for part (c) above	Attach	
e.	Number and instances of crane 1st free service(s)	No.:	@
Manuals			
a.	All literature in English language	Yes	____ (Yes/No)
b.	Cranes supplied with Technical Data Sheet c/w a soft copy	Yes	____ (Yes/No)
c.	Cranes supplied with operator & service manuals c/w soft copies	Yes	____ (Yes/No)
d.	Cranes supplied with spare parts manuals c/w a soft copy	Yes	____ (Yes/No)
e.	Final assembly hydraulic circuit & truck body drawings to be issued	Yes	____ (Yes/No)
Other Requirements			
a.	Tenderer owned after sales & maintenance facilities in Kenya	Yes	____ (Yes/No)
b.	Desired truck bodies to be developed in consultation with KPLC	Yes	____ (Yes/No)

c.	Facilitate assembly line visit. KPLC shall cover expenses of her staff	Yes	____(Yes/No)
d.	Offer 5 KPLC Technical staff minimum 1 week equipment maintenance Training	Yes	____(Yes/No)
e.	Initial/refresher operator training and certification	Yes	____(Yes/No)
f.	All Technical drawings for truck body construction and equipment integration, auxiliary hydraulic circuits, load calculations and stability modeling for the successful bid become the property of KPLC upon tender award – final drawing bearing no restrictions to be supplied with the contract - 5 hard copies, soft pdf & auto card copies.	Yes	____(Yes/No)

18 Ton GVW Truck Technical Specifications			
No.	KPLC Requirements	Required	Tenderer's Offer
General Requirements			
a.	Make:	State	
b.	Model:	State	
c.	Country of origin:	State	
d.	Manufacturer's Authorization Supplied	Yes	____(Yes/No)
e.	Manufacturer's Literature & Brochures Supplied.	Yes	____(Yes/No)
f.	Technical Specification Sheet fully completed and submitted.	Yes	____(Yes/No)
g.	A standard production, 4 x 2, diesel heavy duty truck of latest design in the class, robust construction in current production and marketed in Kenya.	Yes	____(Yes/No)
h.	Supplied new	Yes	____(Yes/No)
i.	Vehicle locally assembled.	Yes	____(Yes/No)
j.	Vehicle OEM/OEM Authorized country dealer with Countrywide aftersales support Network – refer to item g**. below	Yes	____(Yes/No)
k.	Designed for heavy-duty specifications, capable of operating in tropical conditions of mud and dust.	Yes	____(Yes/No)
l.	Suitable for operating on both "on and off" road conditions.	Yes	____(Yes/No)
m.	Brand must have sold at least 100 truck units in the Kenyan Market in the 5 years before the tender date – provide evidence & references	Yes	____(Yes/No)
n.	Engine and chassis be made by same manufacturer.	Yes	____(Yes/No)
Dimensions and Weights			
a.	Overall standard length, min. (mm)	8,500	
b.	Overall width min. (mm)	2,400	
c.	Overall height max. (mm)	2,900	
d.	Wheelbase, Min. (mm)	5,000	
e.	Ground clearance, min. (mm)	240	
f.	Cab/Chassis weight, range. (Kg)	4,500 - 5,500	
g.	Minimum Max. Gross Vehicle Weight, (Kg)	18,000	
h.	Minimum payload front (steering) axle, (kg) – Data sheet to provide the cab-chassis front axle tare weight and maximum allowable load	4,000	
i.	Minimum axle load capacity - rear (for dual wheels), (kg)	12,000	

Engine			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
d.	Engine performance curves supplied	Yes	____(Yes/No)
e.	Diesel engine, water cooled, 4 stroke, 6 cylinder	Yes,	____(Yes/No)
f.	Mode of aspiration - Turbo	Yes	____(Yes/No)
g.	Piston displacement, (cc)	7,500 – 8,000	
h.	Minimum Maximum power output (kw)	150	
i.	Minimum Maximum torque (Nm)	800	
j.	Average fuel consumption (on full load – combined cycle) - Specify	Km/Litre	
k.	Fuel tank capacity, min. (litres)	200	
l.	Service Interval Mileage, Min (km)	10,000	
m.	Emission Standard, Minimum	Euro 4	
Transmission and Differential Unit			
a.	Clutch system actuation, Dry Single Plate, Hydraulic control	Yes	____(Yes/No)
b.	Gearbox, Automatic or Manual	Specify	
c.	Gearbox speed ratios, min	6F, 1R	
d.	Drive configuration, 4 x 2	Yes	____(Yes/No)
e.	Grade ability, min (%)	35	
Brakes and Tyres			
a.	Brakes, hydraulic-pneumatic assisted	Yes	____(Yes/No)
b.	Auxiliary (exhaust) brakes	Yes	____(Yes/No)
c.	Mechanical parking brake	Yes	____(Yes/No)
d.	Supplied c/w Minimum Tyre Rim size	22.5	
e.	Tubeless rim and tyre configuration.	Yes	____(Yes/No)
Steering, Control and Cab.			
a.	Right Hand Drive steering	Yes	____(Yes/No)
b.	Power assisted steering system.	Yes	____(Yes/No)
c.	Tilt cabin	Yes	____(Yes/No)
Body Construction and Fittings			
a.	Payload truck constructed suitably to carry poles, general cargo and 22 tm crane over paved and unpaved (rough) roads	Yes	____(Yes/No)
b.	Body cross bearers of pre-stressed channel sections, minimum 100 x 50 x 4.5 mm equidistantly spaced at a maximum of 500 mm apart.	Yes	____(Yes/No)
c.	Body secured to chassis by U-bolts, diameter min 16 mm	Specify	
d.	Body floor fabricated from 3.2 mm thick mild steel plate (full width) reinforced at equal distances with box/channel sections.	Yes	____(Yes/No)
e.	Cargo hold steel platform made from mild steel checker plate of thickness 3.2 mm.	Yes	____(Yes/No)
f.	Fixed tailgate configuration	Yes	____(Yes/No)
g.	Drop sides in minimum two sections on both sides	Yes	____(Yes/No)

h.	Suitable size toolbox, fitted on the carrier cabin and one under body on the left hand side.	Yes	____(Yes/No)
i.	Suitable rear mudguards fitted.	Yes	____(Yes/No)
j.	Stone guards fitted for tail lights, properly safeguard expose No. plate	Yes	____(Yes/No)
k.	Suitable cargo carrier access ladder fitted.	Yes	____(Yes/No)
l.	Chevrons and reflectors fitted on rear to conform to Kenya traffic act.	Yes	____(Yes/No)
m.	All body steelwork to thoroughly clean before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and undercoat.	Yes	____(Yes/No)
n.	Body construction and all fitments to conform Cap 403 Kenya Traffic Act.	Yes	____(Yes/No)
o.	Truck to be painted as per procuring entity corporate branding scheme	Yes	____(Yes/No)
p.	Detailed truck body construction technical drawings to be approved by procuring entity before commencement of body construction works	Yes	____(Yes/No)
Electrical System/Instruments			
a.	System voltage, negative earth	24V	
b.	Battery capacity, number and size.	Specify	
c.	Full lighting to conform to Kenya Traffic Act Cap 403.	Yes	____(Yes/No)
d.	Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc.	Yes	____(Yes/No)
Accessories & Equipment			
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.	30 Ton Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools with fitting secure storage.	Yes	____(Yes/No)
g.	Vehicle to be fitted with electronic speed limiter by a mutually agreed supplier and a mutually agreed installation protocol	Yes	____(Yes/No)
h.	Speed Limiter to limit speed maximum to 80km/hr certificate provided.	Yes	____(Yes/No)
i.	Speed Limiter to be tamper proof (sealed)	Yes	____(Yes/No)
j.	Speed Limiter to be certified NTSA approved	Yes	____(Yes/No)
k.	Engine immobilizer system fitted.	Yes	____(Yes/No)
l.	2 no. hazard triangles, std. first aid kit KS-2094-2007 and 5kg refillable fire extinguisher. All appropriately secured.	Yes	____(Yes/No)
m.	Supply additional loose floor rubber mats	Yes	____(Yes/No)
n.	Tyre inflation pressure pipe and self-inflation kit provided.	Yes	____(Yes/No)
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	____(Yes/No)
c.	Vehicle minimum comprehensive warranty duration	36 months or 100,000 km	
d.	Vehicle Extended warranty	Specify	

e.	No. & instances of first free service(s)	No.:	@
Manuals			
a.	All literature in the English language	Yes	____(Yes/No)
b.	Drivers handbook supplied for each vehicle	Yes	____(Yes/No)
c.	Service schedule supplied for each vehicle	Yes	____(Yes/No)
Other Requirements			
a.	Vehicle to be registered by Registrar of Motor Vehicles	Yes	____(Yes/No)
b.	Vehicle to be inspected by the procuring entity prior to integration with the crane	Yes	____(Yes/No)
c.	Body construction and all fitments to conform to Kenya Traffic Act CAP 403.	Yes	____(Yes/No)
d.	Chevrons and reflectors fitted on rear to conform to Kenya traffic act.	Yes	____(Yes/No)
e.	Vehicle identity on all Glasses and Lights	Yes	____(Yes/No)
f.	Critical vehicle parts and accessories - fuel tank cap, dip stick, axle shafts, stator motor, alternator, power steering and other loose components safe/secured from easy access to theft.	Yes	____(Yes/No)
g**.	Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in five (5) major towns (Nairobi, Mombasa, Kisumu, Nakuru, Eldoret) plus any two of Thika, Kiambu, Embu, Nyeri, Kisii and Meru	Attach list	____(Yes/No)

Parts B:

Hydraulic Pole Puller			
No.	KPLC Requirement	Required	Tenderer's Offer
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
d.	Maximum operating pressure range (MPa)	30	
e.	Minimum lift at maximum pressure (kg)	20,000	
f.	Maximum mass when assembled and ready to use (kg)	80	
g.	Supplied with a pad	Yes	____(Yes/No)
h.	Equipped with mechanism to prevent chain roll-up and slippage	Yes	____(Yes/No)
i.	Storage: Strapped in lockable compartment mounted on truck body	Yes	____(Yes/No)
j.	Powered via auxiliary tools circuit in Lot 2, Part A, above	Yes	____(Yes/No)
k.	Technical data sheet and catalogues	Attach	
l.	To provide hydraulic pole puller warranty from the OEM	Yes	____ (Yes/No)
m.	Attach a specimen warranty for part (l) above	Attach	

Lot 3: Three-wheeler Pole Loggers

No.	KPLC Requirement	Required	Tenderer's Offer
General Requirements			
a.	Make	State	
b.	Model	State	

c.	Country of origin	State		
d.	Local dealership authorization from the crane OEM	Attach		
e.	Logger manufacturer's authorization	Attach		
f.	Logger technical data sheet	Attach		
g.	No maintenance hydraulic wheel motors with high expected life	Yes	____(Yes/No)	
h.	Water cooled engine for low operation noise	Yes	____(Yes/No)	
i.	Hydraulically released, fail to safe, braking system	Yes	____(Yes/No)	
j.	Maximum engine capacity (cc)	3,500		
k.	Extension boom: Telescopic	Yes	____(Yes/No)	
l.	Maximum height in transport position (mm)	3,500		
m.	Maximum length in transport position (mm)	5,200		
n.	Maximum width over tyres (mm)	3,000		
o.	Working load limit	Boom in (min kg)	1,500	
		Boom out (min kg)	1,000	
p.	Tipping load	Boom in (min kg)	1,700	
		Boom out (min kg)	1,100	
q.	Supplied c/w grapple and rotator	Yes	____(Yes/No)	
r.	Grapple	Make	State	
		Model	State	
		Country of origin	State	
		Minimum closed diameter (mm)	100 ± 10	
		Maximum height, open (mm)	850	
		Maximum height, closed (mm)	650	
		Maximum height, tip-to-tip position (mm)	1000	
		Maximum grapple width (mm)	450	
		Minimum tip-to-tip area (m ²)	0.35	
		Maximum mass (kg)	250	
		Attach technical data sheet	Attach	
s.	Rotator	Make	State	
		Model	State	
		Country of origin	State	
		Maximum mass (kg)	60	
		360 ^o rotation	Yes	____(Yes/No)
		Attach technical data sheet	Attach	
t.	Fitted with operation hour counter	Yes	____(Yes/No)	
Warranty & Free Service				
a.	To provide three-wheeler logger warranty from the OEM	Yes	____ (Yes/No)	
b.	Attach a specimen warranty for part (a) above	Attach		
c.	One year/1500hours standard OEM warranty on each logger supplied	Yes	____(Yes/No)	
d.	Free (mileage & labour) first service	Yes	____(Yes/No)	
Manuals				
a.	All literature in English language	Yes	____(Yes/No)	

b.	Loggers supplied with Technical Data Sheet c/w a soft copy	Yes	____(Yes/No)
c.	Loggers supplied with operator & service manuals c/w soft copies	Yes	____(Yes/No)
d.	Loggers supplied with spare parts manuals c/w a soft copy	Yes	____(Yes/No)
Other Requirements			
a.	Tenderer owned after sales & maintenance facilities in Kenya	Yes	____(Yes/No)
b.	Facilitate assembly line visit. KPLC shall cover expenses of her staff	Yes	____(Yes/No)
c.	Offer 5 KPLC Technical staff minimum 1 week equipment maintenance Training	Yes	____(Yes/No)
d.	Initial/refresher operator training and certification	Yes	____(Yes/No)

Lot 4: Low-loader

No.	KPLC Requirement	Required	Tenderer's Offer
General Requirements			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
d.	Suspension make & model	State	
e.	Local dealership authorization from the suspension OEM	Attach	
f.	No. of axles c/w dual wheels	3	
g.	No. of wheels (includes two spare wheels)	14	
h.	Tyre size	235/75R×17.5	
i.	H-beam main chassis, mm	508 ×304 ×25; web 8	
j.	Platform cross members, mm	100×50×6 HRC	
k.	Platform cross member pitch, mm	400	
l.	Main platform cladding: Mahogany wood planks	8"×2"×7"	
m.	Rear OS & NS platform corners cladding, mm	3870×85×6 checkered plate	
n.	Overall length, mm	14,500	
o.	Goose neck length, mm	4,600	
p.	Goose neck width, mm	2,500	
q.	Height of goose neck from the ground, mm	1,500	
r.	Loader platform length, mm	9,910	
s.	Loader platform width, mm	2,980	
t.	Platform height from the ground, mm	1,000	
u.	Goose neck height from platform, mm	800	
v.	Axles	150 mm × 150 mm × 16 ton	
w.	Local dealership authorization from the axle OEM	Attach	
x.	Suspension	Make & model	State
		Country of origin	State
		Type	Pneumatic
y.	Ramps dimensions	3100 × 800 & 920mm apart	
z.	Double ramp, hydraulic, with grip bars	Yes	

aa.	Ramps stay: 12mm high tensile chain c/w buckle		Yes	
bb.	Gross tri-axle weight, tons		45	
cc.	Kingpin	Make & model	State	
		Country of origin	State	
		Meets SAE / TTMA requirements	Yes	
		Size	3 ½”	
		Compatibility: JOST fifth wheel coupling	Yes	____(Yes/No)
dd.	Brake system: Non ABS, pneumatic		Yes	
ee.	Electrical system: 24V front, rear and side lights		Yes	
ff.	Landing gear	Make & model	State	
		Country of origin	State	
		Capacity, ton	12 each	
		Meets TTMA & AAR specifications	Yes	
gg.	Number of robust cargo tie down points on each side		15	
hh.	Socket cargo guides, 100 mm×50 mm×200mm, on each side		5	
ii.	Awarded bidder to ensure compliance: Traffic Act, Cap 403		Yes	
jj.	Warranty period / mileage, whichever comes first		12 months / 100,000 km	
kk.	Provide a specimen warranty for part (jj) above		Attach	
ll.	Attach detailed engineering drawings of the proposed design		Attach	
mm.	Awarded bidder to be provided with KPLC’s primo mover prior to commencement, and after completion of the project to test coupling with the fifth wheel coupling		Yes	____(Yes/No)

Lot 5: 16m Non-insulated Mobile Elevated Work Platform, MEWP c/w Cab-chassis & Body

No.	KPLC Requirement		Required	Tenderer’s Offer
General Requirements				
a.	16m non-insulated MEWP	Make	State	
		Model	State	
		Country of origin	State	
b.	Country dealership authorization from the OEM of the MEWP		Attach	
c.	MEWP manufacturer’s authorization		Attach	
d.	MEWP Technical Data Sheets		Attach	
e.	MEWP supplied new		Yes	____(Yes/No)
f.	MEWP test certificate for each awarded unit		Yes	____(Yes/No)
g.	MEWP c/w with auxiliary tools hydraulic circuit		Yes	____(Yes/No)
MEWP Specification				
a.	Minimum Maximum platform height, (m)		14.0	
b.	Minimum Maximum horizontal outreach with basket load (m)		9.0	
c.	Minimum basket rated capacity (kg)		230	
d.	Slewing range of the basket		2 × 90 ⁰	
e.	Number of baskets		1	
f.	Number of operators		2	

g.	Approximate basket dimensions (m)	1.4 × 0.8 × 1.1	
h.	Minimum upper structure/turret rotation	370 ⁰	
i.	Minimum basket insulation (kV)	1	
j.	Platform/outrigger interlock system	Yes	____(Yes/No)
k.	Approximate operating pressure (MPa)	21	
l.	Maximum height in transportation position, from ground (m)	3	
m.	Hydraulic tools circuit provided to the boom tip & on NS of the truck	Yes	____(Yes/No)
n.	Equipped with a 24V emergency operation electric pump	Yes	____(Yes/No)
o.	Fitted with adequate load safety devices	Yes	____(Yes/No)
p.	Telescopic upper boom	Yes	
q.	Powered via engine power takeoff (PTO)	Yes	____(Yes/No)
r.	MEWP technical data sheets and catalogues	Attach	
Truck Specifications			
a.	Minimum Gross Vehicle Weight, ton	5	
b.	Modular body construction, transferable to another cab	Yes	____(Yes/No)
c.	Mounting must conform to truck OEM specifications	Yes	____(Yes/No)
d.	Tool box with top door, approx. 1.6 × 0.5 × 0.5m, mounted on the NS	Yes	____(Yes/No)
e.	Low drop-side body	Yes	____(Yes/No)
f.	Fitted with rubber-lined toolboxes at KPLC's specifications	Yes	____(Yes/No)
g.	Technical drawings of the truck body design	Attach	
h.	Awarded bidder to ensure compliance: Traffic Act, Cap 403	Yes	____(Yes/No)
i.	Truck compliant with the Comprehensive Truck specifications provided below	Yes	____(Yes/No)
MEWP-Truck Integration Requirements			
a.	MEWP stability analysis on the proposed truck model	Attach	
b.	Axle loading analysis on the proposed truck model	Attach	
c.	Technical drawing(s) of offered truck/MEWP assembly	Attach	
d.	All Technical drawings for truck body construction and equipment integration, auxiliary hydraulic circuits, load calculations and stability modeling become the property of KPLC upon tender award – final drawing bearing no restrictions to be supplied with the contract - 5 hard copies, soft pdf & auto card copies.	Yes	____(Yes/No)
Auxiliary Hydraulic Tools Hydraulic Circuit			
a.	Valving style of all quick couplings: Flat face	Yes	____(Yes/No)
b.	Designed to comply with the provided coupling specifications	Yes	____(Yes/No)
c.	Specimen auxiliary tools hydraulic circuit drawing	Attach	
Quick Couplings			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
d.	Body size: 3/8"	Yes	____(Yes/No)
e.	Port size and thread: ½" BSP (ISO1179-1)	Yes	____(Yes/No)
f.	Valving style: Flat face	Yes	____(Yes/No)

g.	Sealing: Nitrile NBR	Yes	____(Yes/No)
h.	Connection system: Push	Yes	____(Yes/No)
i.	Interchange: ISO 16028 or NFPA/T3.20.15	Yes	____(Yes/No)
j.	Material: Carbon steel, Cr3	Yes	____(Yes/No)
k.	Male and female couplings plastic protective caps with lanyard	Yes	____(Yes/No)
l.	Auxiliary tool Pressure port: Female quick coupling	Yes	____(Yes/No)
m.	Auxiliary tool Tank port: Male quick coupling	Yes	____(Yes/No)
n.	Provide catalogues for quick couplings	Attach	
Auxiliary Tools Connection Hydraulic Hose Kit			
a.	Size: -6	Yes	____(Yes/No)
b.	12m twin-hose kit stored in a (hose) reel	Yes	____(Yes/No)
c.	Exceeds EN857 2SC / SAE 100R16 Type S	Yes	____(Yes/No)
d.	MSHA approved	Yes	____(Yes/No)
e.	Minimum rated working Pressure, 330 bar	Yes	____(Yes/No)
f.	Hose kit c/w male and female quick couplings	Yes	____(Yes/No)
g.	Supplied with a suitable hand-operated, twin hose, hose reels	Yes	____(Yes/No)
h.	Hose reel: Inlets- heavy duty 90% swivel joints; Outlets - shaft	Yes	____(Yes/No)
i.	Hose reel mounted inside lockable compartment, NS of the truck	Yes	____(Yes/No)
j.	4m twin extension hoses kit c/w quick couplings and a storage pack	Yes	____(Yes/No)
k.	Provide catalogues for hydraulic hoses	Attach	
Accessories			
a.	High voltage > 5kV alert system: Min. 85db beep & a visual warning	Yes	____(Yes/No)
b.	System pressure activated MEWP operation hour counter	Yes	____(Yes/No)
c.	Attach technical data sheets: Hour counter & high voltage alert	Attach	
MEWP Warranty & Free Service			
a.	Minimum of 2-year comprehensive warranty from the MEWP OEM	Yes	____(Yes/No)
b.	Attach a specimen warranty for part (a) above	Attach	
c.	Minimum of ten-year structural warranty form the MEWP OEM	Yes	____(Yes/No)
d.	Attach a specimen warranty for part (c) above	Attach	
e.	Number and instances of MEWP 1st free service(s)	No.:	@
Manuals			
a.	All literature in English language	Yes	____(Yes/No)
b.	MEWP supplied with Technical Data Sheet c/w a soft copy	Yes	____(Yes/No)
c.	MEWP supplied with operator & service manuals c/w soft copies	Yes	____(Yes/No)
d.	MEWP supplied with spare parts manuals c/w a soft copy	Yes	____(Yes/No)
e.	Final assembly hydraulic circuit & truck body Technical drawings to be issued	Yes	____(Yes/No)
Other Requirements			
a.	Tenderer owned after sales & maintenance facilities in Kenya	Yes	____(Yes/No)
b.	Desired truck bodies to be developed in consultation with KPLC	Yes	____(Yes/No)
c.	Facilitate assembly line visit. KPLC shall cover expenses of her staff	Yes	____(Yes/No)

d.	Offer 5 KPLC Technical staff minimum 1 week equipment maintenance Training	Yes	____(Yes/No)
e.	Initial/refresher operator training and certification	Yes	____(Yes/No)

5 Ton GVW Truck Technical Specifications			
		Requirements	Tenderer's Offer
a.	1. GENERAL:		
b.	Make:	Specify	
c.	Model:	Specify	
d.	Country of origin:	Specify	
e.	Manufacturer's Literature & Brochures Supplied.	Yes	____(Yes/No)
f.	Technical Specification Sheet fully completed and submitted.	Yes	____(Yes/No)
g.	A standard production, 4 x 2, diesel Light duty truck of latest design in the class, robust construction in current production and marketed in Kenya.	Yes	____(Yes/No)
h.	Supplied new	Yes	____(Yes/No)
i.	Vehicle locally assembled.	Yes	____(Yes/No)
j.	Vehicle OEM/OEM Authorized country dealer with Countrywide aftersales support Network – refer to item g***. below	Yes	____(Yes/No)
k.	Designed for heavy-duty specifications, capable of operating in tropical conditions of mud and dust.	Yes	____(Yes/No)
l.	Suitable for operating on both "on and off" road conditions.	Yes	____(Yes/No)
m.	Brand must have sold at least 100 truck units in the Kenyan Market in the 5 years before the tender date – provide evidence & references	Yes	____(Yes/No)
n.	Engine and chassis be made by same manufacturer.	Yes	____(Yes/No)
Dimensions and Weights			
a.	Overall standard length, min. (mm)	6,000	
b.	Overall width min. (mm)	1,800	
c.	Overall height min. (mm)	2,000	
d.	Wheelbase, min. (mm)	3,300	
e.	Ground clearance, min. (mm)	190	
f.	Kerb/Chassis weight, min (Kg)	2,000	
g.	Minimum Max. Gross Vehicle Weight, (Kg)	5,500	
h.	Minimum payload front (steering) axle, (kg) – Data sheet to provide the cab-chassis front axle tare weight and maximum allowable load	1,500	
i.	Minimum axle capacity - rear (for dual wheels), (kg)	5,000	
Engine			
a.	Make	Specify	
b.	Model	Specify	
c.	Country of origin	Specify	
d.	Engine performance curves supplied	Yes	____(Yes/No)
e.	Diesel Engine, water cooled, 4 stroke, 4 cylinder	Yes	____(Yes/No)

f.	Mode of aspiration - Turbo	Yes	____(Yes/No)
g.	Piston displacement, (cc)	2,950-4,000	
h.	Minimum Maximum power output (kw)	90	
i.	Minimum Maximum torque (Nm)	330	
j.	Average fuel consumption (on full load – combined cycle) - Specify	Km/Litre	
k.	Fuel tank capacity, min. (litres)	100	
l.	Service Interval Mileage, Min (km)	10,000	
m.	Emission Standard, Minimum	Euro 4	
Transmission and Differential Unit			
a.	Clutch system actuation, Dry Single Plate, Hydraulic control	Yes	____(Yes/No)
b.	Gearbox, Automatic or Manual	Specify	
c.	Gearbox speed ratios, min	5F, 1R	
d.	Drive configuration, 4 x 2	Yes	____(Yes/No)
e.	Grade ability, min (%)	35	
Brakes and Tyres.			
a.	Brakes, hydraulic-pneumatic assisted	Yes	____(Yes/No)
b.	Auxiliary (exhaust) brakes	Yes	____(Yes/No)
c.	Mechanical parking brake	Yes	____(Yes/No)
d.	Supplied c/w Minimum Tyre Rim size	16	
e.	Tubeless rim and tyre configuration.	Yes	____(Yes/No)
Steering, Control and Cab.			
a.	Right Hand Drive steering	Yes	____(Yes/No)
b.	Power assisted steering system.	Yes	____(Yes/No)
c.	Tilt Cabin	Yes	____(Yes/No)
Body Construction and Fittings.			
a.	Payload truck constructed suitably to carry the MEWP over paved and unpaved (rough) roads	Yes	____(Yes/No)
b.	Body cross bearers of pre-stressed channel sections, minimum 100 x 50 x 4.5 mm equidistantly spaced at a maximum of 500 mm apart.	Yes	____(Yes/No)
c.	Body floor fabricated from 3.2 mm thick mild steel plate (full width) reinforced at equal distances with box/channel sections.	Yes	____(Yes/No)
d.	Cargo hold steel platform made from mild steel checker plate of thickness 3.2 mm.	Yes	____(Yes/No)
e.	Fixed tailgate configuration	Yes	____(Yes/No)
f.	Drop sides in minimum two sections on both sides	Yes	____(Yes/No)
g.	Suitable size toolbox, fitted on the carrier cabin and one under body on the left hand side.	Yes	____(Yes/No)
h.	Suitable rear mudguards fitted.	Yes	____(Yes/No)
i.	Stone guards fitted for tail lights, properly safeguard expose No. plate	Yes	____(Yes/No)
j.	Suitable cargo carrier access ladder fitted.	Yes	____(Yes/No)
k.	Chevrons and reflectors fitted on rear to conform to Kenya traffic act.	Yes	____(Yes/No)
l.	All body steelwork to thoroughly clean before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and undercoat.	Yes	____(Yes/No)

m.	Body construction and all fitments to conform Cap 403 Kenya Traffic Act.	Yes	____(Yes/No)
n.	Truck to be painted as per procuring entity corporate branding scheme	Yes	____(Yes/No)
o.	Detailed truck body construction technical drawings to be approved by procuring entity before commencement of body construction works	Yes	____(Yes/No)
Electrical System/Instruments.			
a.	System voltage, negative earth	24V	
b.	Battery capacity, number and size.	Specify	
c.	Full lighting to conform to Kenya Traffic Act Cap 403.	Yes	____(Yes/No)
d.	Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc.	Yes	____(Yes/No)
Accessories & Equipment.			
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.	7 Ton Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools with fitting secure storage.	Yes	____(Yes/No)
g.	Vehicle to be fitted with electronic speed limiter by a mutually agreed supplier and a mutually agreed installation protocol	Yes	____(Yes/No)
h.	Speed Limiter to limit speed maximum to 80km/hr certificate provided.	Yes	____(Yes/No)
i.	Speed Limiter to be tamper proof (sealed)	Yes	____(Yes/No)
j.	Speed Limiter to be certified NTSA approved	Yes	____(Yes/No)
k.	Engine immobilizer system fitted.	Yes	____(Yes/No)
l.	2 No. Hazard Triangles, Std First Aid kit KS-2094-2007 and 5kg refillable fire extinguisher. All appropriately secured.	Yes	____(Yes/No)
m.	Supply additional Loose Floor rubber mats	Yes	____(Yes/No)
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	____(Yes/No)
c.	Vehicle Minimum comprehensive warranty duration	36 months or 100,000 km	
d.	Vehicle Extended warranty	Specify	
e.	No. & instances of the first free service(s)	No.:	@
Manuals			
a.	All literature in the English language	Yes	____(Yes/No)
b.	Drivers handbook supplied for each vehicle	Yes	____(Yes/No)
c.	Service schedule supplied for each vehicle	Yes	____(Yes/No)
Other Requirements			
a.	Vehicle to be registered by Registrar of Motor Vehicles	Yes	____(Yes/No)
b.	Vehicle to be inspected by the procuring entity prior to integration with the crane	Yes	____(Yes/No)
c.	Body construction and all fitments to conform to Kenya Traffic Act CAP 403.	Yes	____(Yes/No)
d.	Chevrons and reflectors fitted on rear to conform to Kenya traffic act.	Yes	____(Yes/No)

e.	Vehicle identity on all Glasses and Lights	Yes	____(Yes/No)
f.	Critical vehicle parts and accessories - fuel tank cap, dip stick, axle shafts, stator motor, alternator, power steering and other loose components safe/secured from easy access to theft.	Yes	____(Yes/No)
g***	Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in five (5) major towns (Nairobi, Mombasa, Kisumu, Nakuru, Eldoret) plus any two of Thika, Kiambu, Embu, Nyeri, Kisii and Meru	Attach list	

Lot 6: Mini Backhoe Loader

Part A:

No.	KPLC Requirement		Required	Tenderer's Offer
General Requirements				
a.	Make		State	
b.	Model		State	
c.	Country of origin		State	
d.	Backhoe loader dealership authorization from the crane OEM		Attach	
e.	Backhoe loader manufacturer's authorization		Attach	
f.	Backhoe loader technical data sheet		Attach	
g.	Maximum dimensions when parked, length/width/height (m)		5.5/2.0/2.7	
h.	Traction type: Wheels		Yes	____(Yes/No)
i.	Approx. maximum operating pressure (MPa)		22	
j.	Fuel type: Diesel		Yes	____(Yes/No)
k.	Loader	Type: Side-shift	Yes	____(Yes/No)
		Dump height (m)	2.3 ± 0.05	
		Load over height (m)	2.8 ± 0.05	
		Shovel capacity (m ³)	0.52 ± 0.05	
		Tipping load (kg)	5,100 ± 100	
		Shovel breakout (kgf)	3,300 ± 100	
		Arms breakout (kgf)	1,800 ± 100	
		Minimum rated operating capacity (kg)	2,500 ± 100	
	Conforms with ISO 14397:2007	Yes	____(Yes/No)	
l.	Backhoe	Minimum SAE dig depth, 2ft flat bottom (m)	3	
		Minimum reach, ground level to rear wheel centre (m)	5.1	
		Minimum side reach from machine centerline (m)	4.3	
		Minimum SAE operating height (m)	3.8	
		Minimum load over height	2.7	
		Minimum bucket tearout (kgf)	3,100	
		Minimum dipper tearout (kgf)	1,700	
Mini-backhoe loader Warranty				
a.	To provide mini-backhoe loader warranty from the OEM		Yes	____ (Yes/No)
b.	Attach a specimen warranty for part (a) above		Attach	
Manuals				

a.	All literature in English language	Yes	____(Yes/No)
b.	Supplied with Technical Data Sheet c/w a soft copy	Yes	____(Yes/No)
c.	Supplied with operator & service manuals c/w soft copies	Yes	____(Yes/No)
d.	Supplied with spare parts manuals c/w a soft copy	Yes	____(Yes/No)
Other Requirements			
a.	Tenderer owned after sales & maintenance facilities in Kenya	Yes	____(Yes/No)
b.	Facilitate assembly line visit. KPLC shall cover expenses of her staff	Yes	____(Yes/No)
c.	Offer 5 KPLC Technical staff minimum 1 week equipment maintenance Training	Yes	____(Yes/No)
d.	Initial/refresher operator training and certification	Yes	____(Yes/No)

Part B:

No.	KPLC Requirement		Required	Tenderer's Offer
a.	Supply auger drive and auger drill compatible with the offered backhoe loader model, c/w related connection/installation kit		Yes	____(Yes/No)
b.	Auger drive	Make	State	
		Model	State	
		Country of origin	State	
		Approximate torque at operating pressure (kNm)	5.5	
		Maximum diameter (mm)	260	
		Maximum mass (kg)	110	
		To provide auger drive warranty from the OEM	Yes	____ (Yes/No)
	Attach a specimen auger drive warranty	Attach		
c.	Auger drill	Make	State	
		Model	State	
		Country of origin	State	
		Minimum drilling depth (mm)	2,100 ± 5%	
		Drilling diameter (mm)	400 ± 5%	
		Suited for both loose soil and hard gravel	Yes	____(Yes/No)
		To provide auger drill warranty from the OEM	Yes	____ (Yes/No)
		Attach a specimen auger drill warranty	Attach	
Manuals				
a.	All literature in English language		Yes	____(Yes/No)
b.	Supplied with Technical Data Sheet c/w a soft copy		Yes	____(Yes/No)
c.	Supplied with operator & service manuals c/w soft copies		Yes	____(Yes/No)
d.	Supplied with spare parts manuals c/w a soft copy		Yes	____(Yes/No)
Other Requirements				
a.	Tenderer owned after sales & maintenance facilities in Kenya		Yes	____(Yes/No)
b.	Facilitate assembly line visit. KPLC shall cover expenses of her staff		Yes	____(Yes/No)
c.	Offer 5 KPLC Technical staff minimum of 1 week equipment maintenance Training		Yes	____(Yes/No)
d.	Initial/refresher operator training and certification		Yes	____(Yes/No)

Lot 7: Hydraulic Long Reach Chain Saw

No.	KPLC Requirement	Required	Tenderer's Offer
General Requirements			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
c.	Manufacturer's authorization	Yes	____(Yes/No)
d.	Minimum cutting capacity (mm)	300	
e.	Maximum chain speed at maximum flow (m/min)	1,300	
f.	Maximum sound power level (LwA)	110	
g.	Maximum vibration (m/s ²)	5	
h.	Maximum mass (kg)	4.5	
i.	Minimum length (mm)	2000	
j.	Hydraulic systems: Either open-centre or closed-centre	Yes	____(Yes/No)
k.	Maximum pressure (MPa)	14	
l.	Flow range (l/min)	20 - 40	
m.	Fiberglass extension tube tested to 100kVA for 5 min	Yes	____(Yes/No)
n.	Pressure port fitted with female quick couplings	Yes	____(Yes/No)
o.	Tank port fitted with male quick couplings	Yes	____(Yes/No)
p.	On/off control valve on the handle c/w a safety latch	Yes	____(Yes/No)
q.	Dielectric test certificate for each supplied unit	Attach	
r.	Supplied with a 3m twin R7 hose connection kit c/w quick couplings	Yes	____(Yes/No)
Quick Couplings			
a.	Make	State	
b.	Model	State	
c.	Country of origin	State	
c.	Body size: 3/8"	Yes	____(Yes/No)
d.	Port size and thread: 1/2" BSP (ISO1179-1)	Yes	____(Yes/No)
e.	Valving style: Flat face	Yes	____(Yes/No)
f.	Sealing: Nitrile NBR	Yes	____(Yes/No)
g.	Connection system: Push	Yes	____(Yes/No)
h.	Interchange: ISO 16028 or NFPA/T3.20.15	Yes	____(Yes/No)
i.	Material: Carbon steel, Cr3	Yes	____(Yes/No)
j.	Male and female couplings plastic protective caps with lanyard	Yes	____(Yes/No)
k.	Provide catalogues for quick couplings	Attach	
Hydraulic Long Reach Chain Saw Warranty			
a.	To provide warranty from the OEM	Yes	____ (Yes/No)
b.	Attach a specimen warranty for part (a) above	Attach	
Manuals			
a.	All literature in English language	Yes	____(Yes/No)

b.	Supplied with Technical Data Sheet c/w a soft copy	Yes	____(Yes/No)
c.	Supplied with operator & service manuals c/w soft copies	Yes	____(Yes/No)
d.	Supplied with spare parts manuals c/w a soft copy	Yes	____(Yes/No)

PRICE SCHEDULE

Lot 1: 25tm Truck-mounted crane c/w cab-chassis and pole carrier body

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	25tm truck-mounted crane	2 unit			
b.	24ton GVW cab-chassis	2 unit			
c.	Body-building & integration charges	1 act			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Lot 2: 12tm Truck-mounted crane c/w cab-chassis and pole carrier body

Part A:

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	12tm mobile crane	3 unit			
b.	18ton GVW cab-chassis	3 unit			
c.	Auger drive	3 unit			
d.	Auger extension	3 unit			
e.	Auger drill	3 unit			
f.	Hydraulic tamper	3 unit			
g.	Body-building & integration charges	1 act			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Part B:

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	Pole puller	3 unit			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Lot 3: Three-wheeler pole loggers

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	3-wheeler pole logger	2 unit			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Lot 4: Low-loader

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	Low-loader	1 unit			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Lot 5: 16m Non-insulated Mobile Elevated Work Platform, MEWP c/w cab-chassis & body

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	16m non-insulated MEWP	12 unit			
b.	5ton cab-chassis	12 unit			
c.	Body-building & integration charges	1 act			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Lot 6: Mini backhoe loader**Part A:**

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	Mini Backhoe Loader	1 unit			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Part B:

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	Auger drive	1 unit			
b.	Auger drill	1 unit			
c.	Connection & installation kit	1 kit			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

Lot 7: Hydraulic long-reach chain saw

No.	Item	Qty.	Make & Model	Unit Price	Amount
a.	Hydraulic long-reach chain saw	10 unit			
Sub-total					
16% VAT					
Total Amount, KSh (VAT Inclusive)					

AWARD CRITERIA

- a) Lots 1, 3, 4, 5 and 7 will be awarded to the lowest bidder **per lot**.
- b) Lots 2 & 6 will be awarded to the lowest bidder **per Part**

Delivery Period: _____

Company's Official Rubber Stamp: _____

Signature: _____

Date: _____