

**AMENDMENT TO DETAILED TECHNICAL SPECIFICATIONS FOR TENDER FOR THE  
SUPPLY OF NEW MOTOR VEHICLES, MOTOR CYCLES & PLANT – KP3/9A/OT/03/16-17**

<b>HYDRAULIC HIGH LIFTING PLATFORM.</b>		
QUANTITY: 21		
Specification No. <b>KPLC-TPT-05-16-17</b>		
Description: Hydraulic Articulated and Telescopic High Lift Platform (Street Lighting bucket)		
Tenderers' name .....		
	KPLC Requirements	
<b>1. GENERAL.</b>		
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 hydraulic Articulated and Telescopic high lifting platform, 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 heavy duty specifications, capable of operating in tropical conditions.	Yes	
<b>2. DESIGN AND DIMENSIONS.</b>		
a) Designed to export specifications suitable for fitting onto a Light truck.	Yes	
b) Working height minimum., 15.0m	Yes(mandatory)	
c) Minimum lifting capacity, 220kgs	Yes(mandatory)	
d) Hydraulically operated landing legs complete with control valves.	Yes(mandatory)	
e) Swivel action angle minimum continuous rotation.	Yes(mandatory)	
f) Operator controllable bucket.	Yes (mandatory)	
g) Minimum bucket operator insulation.	1000V Yes(mandatory)	
h) Hydraulically operated A-frame stabilizers for safety operation-4 units.	Yes(mandatory)	
i) Complete set of controls and emergency operation from the base.	Yes (mandatory)	
j) High performance hydraulic seals.	Yes (mandatory)	
k) Rated P.T.O pump output power min.	200 bars	

l) Suitable for high lifting on street lighting.	Yes	
m) Operations via Power take-off (P.T.O) pump with electro-pneumatic engage.	Yes(mandatory)	
n) Decking chequered plate.	Yes	
o) Guard rail 2” pipe all round	Yes	
p) Outreach 5m, min.	Yes (mandatory)	
q) Unit to be installed and integrated to supplied Light truck Cab chassis	Yes (mandatory)	
r) Tool box to be provided	Yes (mandatory)	
s) Platform to meet all relevant International standards.	Yes(mandatory)	
t) Quantity two (2No) LED flood light provided (direction adjustable) fitted on top of truck body headboard on each side, individually controlled.	Yes(mandatory)	
<b>3. CAGE:</b>		
a) Number of persons to accommodate,	2No.Yes (mandatory)	
b) Side panels at bottom of cage to prevent equipment spillage.	Yes (mandatory)	
c) GRP Glass reinforced fiberglass bucket	Yes (mandatory)	
d) Hydraulics controls from cage	Yes (mandatory)	
e) System to fully deploy within 40 seconds	Yes	
f) Cage to fully insulated to min.1000V	Yes (mandatory)	
g) Integrated diagnostic system, Hour meter and hydraulic pressure engaging fitted (Attach catalogue)	Yes (mandatory)	
<b>4. HIGH VOLTAGE SYSTEM.</b>		
a) P.T.O engaging High voltage alert system fitted , attach literature	Yes (mandatory)	
b) Nominal operating -5°C to +55°C	Yes	
c) Sound warning tone-85db	Yes	
d) Visual warning	Yes (mandatory)	
e) Detection range-50m	Yes	
<b>5. WARRANTY &amp; FREE SERVICE.</b>		
a) Specimen of platform warranty to be submitted when tendering	Yes (mandatory)	
b) Each platform supplied should carry a		
c) statement of warranty and test certificate	Yes (mandatory)	
d) PTO pump manufacturers authorization	Yes(mandatory)	
e) Platform warranty min., 12 Months or	Specify months	
f) Platform Free Service on Labour& Parts	Parts (Hrs)	
<b>6. MANUALS:</b>		
a) All literature in the English language	Yes (mandatory)	
b) Maintenance & service manuals supplied	Yes (mandatory)	
c) Parts catalogue supplied	Yes (mandatory)	
d) Operators handbook supplied	Yes	
e) Service schedule supplied	Yes	

<b>7 OTHER REQUIREMENTS.</b>		
a)	Manufacturer's authorization supplied when tendering for the pressure engaging hour meter complete with integrated diagnostic and high volt alert system.	Yes (mandatory)
b)	Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya.	Yes (Mandatory)
c)	Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities.	Yes (Mandatory)
d)	Body construction and all fitments to conform to Kenya traffic act and to have a certificate from vehicle inspection centre.	Yes (mandatory)
e)	Crane to be inspected by the Senior Transport Engineer prior to delivery.	Yes (mandatory)
f)	Platform to be fitted onto the supplied Light truck.	Yes (mandatory)
g)	Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in at least one major Kenya Power depots	Attach list – Yes (mandatory)

**6.0 TON (110kN) LIFTING TRUCK MOUNTED CRANE COMPLETE WITH HOOK & AUGUR BIT**

**QUANTITY: 17**

**Specifications: No KPLC-09-16-17**

**Description: 6.0 Ton (110kN) Capacity Lifting truck mounted crane complete with Hook & Augur bit.**

**Tenderer's name:**

	KPLC Requirements	Tenderer's Offer
<b>1. GENERAL.</b>		
a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Manufacturer's Authorization for Crane; Supplied with tender	Yes (mandatory)	
e) Manufacturer's Literature & Brochures for Crane: Supplied.	Yes (mandatory)	
f) Technical Specification Sheet fully completed and submitted.	Yes (mandatory)	
g) A standard production, 6.0 ton (110kN) truck mounted knuckle boom lifting crane of latest design in the class, robust construction in current production and marketed in Kenya.	Yes (mandatory)	
h) Supplied new.	Yes (mandatory)	
i) Crane to be fitted on the supplied cab chassis truck	Yes (mandatory)	
<b>2. DIMENSIONS AND WEIGHTS.</b>		
a) Minimum Hydraulic Outreach standard	10.6m (mandatory)	
b) Lifting Capacity, min.	110kNm (mandatory)	
c) Hydraulic boom extension, min.	5.9m	

d) Extension cylinder pulling force	49-58KN	
e) Extension cylinder pushing force	42-51KN	
f) Outreach manual extension	12.8m	
g) Lifting height above installation level. Hydraulic /manual.	13.0/15.2m	
h) Lifting Capacity at 1.8 m	6000 kg	
i) Lifting Capacity at 3.5m	3000kg	
j) Lifting Capacity at 5.2m	2000kg	
k) Outreach-Lifting Capacity, standard at 3.0 m	3,700kg (mandatory)	
l) Outreach-Lifting Capacity, standard at 4.5 m	2,500kg (mandatory)	
m) Outreach-Lifting Capacity, standard at 6.3 m	1,720kg (mandatory)	
n) Outreach-Lifting Capacity , standard at 10.3 m	1,000kg (mandatory)	
o) Rec. oil flow	45-50l/min.	
p) Working pressure, 28.0 MPa, min	Yes	
q) Oil in tank	50L	
r) Maximum slope viable at full capacity	6° Yes (Mandatory)	
s) Slewing speed	15° m/s	
t) Slewing torque, gross	16.4KNm	
u) Slewing angle	415°-430°	
v) Lifting speed at standard hydraulic outreach and rec. oil flow	1.7m/s	
w) Height in folded position	2200mm	
x) Width in folded position	2500mm	
y) Installation space needed,	860mm	
aa) Tilttable and extendable stabilizer legs	Yes (mandatory)	

<b>3. WEIGHTS</b>		
a) Loader in standard version without support legs.	Maximum 1600kg (mandatory)	
b) Frame attachments	32-65Kg	
c) Support leg equipment.	195-366kg	
d) Power Take off.	Yes (mandatory)	
e) High performance pump	270Bars Yes (mandatory)	
f) Anchoring Bolts	Yes	
g) High Pressure hoses	Yes (mandatory)	
h) Crane performance - Both sides	Yes (mandatory)	
i) Identical lever sequence	Yes (mandatory)	
j) Crane will include Load Bearing valve	Yes	
k) Crane will include Load Failure Valves.	Yes	
l) After Sales service	Yes	
m) Test Certificate for crane supplied	Yes (mandatory)	
n) One year minimum warranty	Yes (mandatory)	
<b>4. HIGH VOLTAGE ALERT SYSTEM</b>		
a) High Volt Alert system fitted (attach literature)	Yes (mandatory)	
b) PTO engaging high voltage alert system	Yes (mandatory)	
c) Nominal operating temperature within range -5° to +55°	Yes (mandatory)	
d) Sound warning tone, max.	85db Yes (mandatory)	
e) Visual warning	Yes (mandatory)	
f) Detection range-50m	Yes	
g) Hook capacity, min.	7,000Kg Yes (mandatory)	

<b>5. HYDRAULIC POLE TAMPER.</b>		
a) Hydraulic powered pole tamper attach details and literature.	Yes (mandatory)	
b) Capacity: 75mm x 200mm kidney shoe	Yes (mandatory)	
c) 9000mm high pressure hydraulic hose complete with quick couplings	Yes (mandatory)	
d) Performance, 1600blows per minute, min.	Yes (mandatory)	
e) Pressure 70-140Bars	Yes	
f) Flow range: 11-34 litres per minute	Yes	
g) Weight, max.	14 Kgs Yes (mandatory)	
h) Control valve on tamper handle for on/off operation	Yes (mandatory)	
i) Stroke, min.	60mm Yes (mandatory)	
j) Length of pole Tamper	1.7m-1.9m Yes mandatory)	
<b>6. AUGUR BIT AND QUICK TOOL CHANGER</b>		
a) Heavy duty planetary drive	Yes (mandatory)	
b) Bi-directional	Yes (mandatory)	
c) Complete with extensions and Augur bits	Yes (Mandatory)	
d) Depth of drilling, min.(400mm drilling diameter)	2000mm (Mandatory)	
e) Drilling bits performance to suit local conditions of earth and clay (soft to medium soils), bits to be Tungsten Carbide tips, attach technical literature	Yes (Mandatory)	
f) Storage tray bolted onto truck body platform to secure Auger drive, Auger bit and Auger Extension	Yes (Mandatory)	
g) Quick change facility, Quick tool changer hydraulic system with lifting capacity with integrated lifting hook attach literature	Yes (Mandatory)	
h) Adaptors for the Auger and hook and the rotating mechanism	Yes (Mandatory)	
i) Storage facility for the Quick Tool changer	Yes (Mandatory)	
j) Tool changer weight of 70 -120 kg	Yes	

k) Catalogues for Auger bit and Quick tool changer included with tender	Yes (Mandatory)	
<b>7. EQUIPMENT AND OTHER ACCESSORIES.</b>		
a) Integrated diagnostic system, Hour meter and hydraulic pressure engaging fitted (Attach catalogue)	Yes (mandatory)	
b) Maintenance & service manual.	Yes (mandatory)	
c) Operational manual.	Yes (mandatory)	
d) Spare parts catalogue.	Yes (mandatory)	
e) Augur and its accessories supplied	Yes (Mandatory)	
<b>8. WARRANTY &amp; FREE SERVICE.</b>		
a) Specimen of crane warranty to be submitted when tendering.	Yes (mandatory)	
b) Each crane supplied to carry a statement of warranty.	Yes (mandatory)	
c) Truck mounted crane warranty duration min. 12 Months	Specify Months	
200 Hours whichever occurs first	Specify Kms Yes (mandatory)	
d) Crane Free Service on Labour& Parts	Parts (Kms)	
	Labour (Kms)	
<b>9. MANUALS.</b>		
a) All literature in the English language	Yes (mandatory)	
b) Repair manuals, supplied	Yes (mandatory)	
c) Parts catalogue/microfiche/CD, supplied	Yes (mandatory)	
d) Operator's handbook supplied	Yes	
e) Service schedule supplied	Yes	
f) Training included	Yes (mandatory)	
g) Crane test certificate provided	Yes (mandatory)	
<b>10. OTHER REQUIREMENTS.</b>		
a) Manufacturers' authorization supplied when tendering for the pressure engaging hour meter complete with integrated diagnostic and the high volt alert system.	Yes (mandatory)	



b)	Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya.	Yes (Mandatory)	
c)	Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities.	Yes (Mandatory)	
d)	Body construction and all fitments to conform to Kenya traffic act and to have a certificate from vehicle inspection centre.	Yes (mandatory)	
e)	Crane to be inspected by the KPLC Engineer prior to delivery.	Yes (mandatory)	
f)	Crane to be fitted onto the supplied cab chassis truck.	Yes (mandatory)	
g)	Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in at least one major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret).	Attach list – Yes (mandatory)	