**DETAILED TECHNICAL SPECIFICATIONS FOR TENDER No. KP2/9AC/PT/12/13-14 FOR THE SUPPLY OF NEW MOTOR VEHICLES, MOTOR CYCLES & PLANT**

**APPENDIX I – TABLE OF SPECIFICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **KPLC Specifications** | **Description** | **Qty** | **Drawing No.** |
| 1 | KPLC-TPT-01-13-14 | Light truck, 4x2, 4.0-5.0 Ton, Constructed to carry wooden poles | 1 | S.K No.09366 Sheet G/1 |
| 2 | KPLC-TPT-02-13-14 | 7-8 Ton, 4x2, Medium truck, cab chassis low sided for stores | 2 | S.K No.09366 Sheet C2 |
| 3 | KPLC- TPT-03-13-14 | Heavy Truck, 6X4, 15- 16 Ton Payload, Cab chassis, low sided body | 5 | S.K No.9366 Sheet J1 |
| 4 | KPLC-TPT-04-13-14 | Single Cab complete with Matatu body, 4X2, 1-1.5 Ton, 2400 - 3000cc, Diesel | 10 | S.K No.09366 Sheet D2 |
| 5 | KPLC-TPT-05-13-14 | Single Cab, Open pick-up body, 4X2, 1-1.5 Ton, 2400 - 3000cc, Diesel | 1 | S.K No.09366 Sheet E |
| 6 | KPLC-TPT-06-13-14 | Double cabin, 4x4, lwb, 2400 - 3000cc, Diesel c/w tools cabin | 35 | S.K No.09366 Sheet D3 |
| 7 | KPLC-TPT-07-13-14 | Single Cab, Open pick-up body, 4x4, Diesel, 3800-4200cc. | 2 |  |
| 8 | 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 |
| 9 | KPLC-TPT-09-13-14 | Heavy Duty, Utility Passenger Vehicle, 4x4, L.W.B., 2800cc-3000cc, Diesel | 1 |  |
| 10 | KPLC-TPT-10-13-14 | 5.0 Ton Lifting Capacity Forklift capable of operating inside a standard transportation container | 3 |  |
| 11 | KPLC-MECH-11-13-14 | Truck Mounted Hydraulic Insulated Telescopic Articulating Aerial Platform Complete With Cab Chassis of 17 Meters Working Height & 46 kV Insulation | 8 |  |
| 12 | KPLC-MECH-12-13-14 | Rear Truck Mounted Insulated Digger Derrick Complete With Cab Chassis | 3 |  |
| 13 | KPLC-MECH-13-13-14 | Truck Mounted Lifting crane, 233 kNm capable of lifting 9.0 ton, complete with Hook | 5 | S.K No.09366 Sheet J2 |
| 14 | KPLC-MECH-14-13-14 | Truck Mounted Lifting crane, 110 kNm capable of lifting 6.0 ton, complete with Hook | 2 | S.K No.09366 Sheet J2 |
| 15 | KPLC-MECH-15-13-14 | 4WD Tractor Complete With Tractor Mounted Post Hole Digger suitable for digging 2 meters depth | 1 |  |
| 16 | KPLC-MECH-16-13-14 | Portable Macro-Tunneling Equipment 7.0 Bars Complete With Portable Air Compressor | 1 |  |
| 17 | KPLC-MECH-17-13-14 | 5-Ton Coiling & Winding Machine Complete With Automatic Cut Out Measuring Meter. | 5 |  |

**KPLC M/VEHICLE, M/CYCLE & PLANT SPECIFICATIONS FOR 2014**

|  |  |  |
| --- | --- | --- |
| **LIGHT TRUCK, 4X2, 4.0-5.0TON**  Quantity: 1  Specification NO.KPLC-TPT-01-13-14  Description: Light truck, 4x2, 4.0-5.0 Ton, Constructed to carry wooden poles.  Tenderers’s name:………………………………………………………………………….. | | |
|  | KPLC requirements. | Tenderer’s Offer |
| 1. **GENERAL:** |  |  |
| 1. Make: | - |  |
| 1. Model: | - |  |
| 1. Country of origin: | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, 4x2, 4.0-5.0 ton payload truck of latest design in robust construction in current production marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed to heavy duty export specs, capable of operating in tropical conditions over paved and unpaved roads | Yes |  |
| 1. Control Forward/Normal | Specify |  |
| 1. Suitable for electric Poles transportation as per the supplied Drawing. | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS** |  |  |
| 1. Overall length min. | 6,400 mm  Yes (mandatory) |  |
| 1. Overall width min. | 1,900 mm  Yes (mandatory) |  |
| 1. Overall Height, min. | 2,100 mm |  |
| 1. Wheel base min | 3,400 mm  Yes (mandatory) |  |
| 1. Cab to rear axle, min. | 4,900mm  Yes (mandatory) |  |
| 1. Kerb (Tare )weight, min. | 2,300 Kg  Yes (mandatory) |  |
| 1. Max. G.V.W. approx. | 6,800 Kg  Yes (mandatory) |  |
| 1. Payload, within the range. | 4,000 – 5,000 Kg  Yes (mandatory) |  |
| 1. Ground Clearance, min. | 200 mm  Yes (mandatory) |  |
|  |  |  |
| 1. **ENGINE** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes (mandatory) |  |
| 1. Diesel Engine, water cooled, 4 stroke | Yes (mandatory) |  |
| 1. Mode of aspiration (Natural/Turbo) | Specify |  |
| 1. Piston displacement within range. | 3,800 – 4,500 cc  Yes (mandatory) |  |
| 1. Number of cylinders, 4/6 | Specify |  |
| 1. Maximum power output /rpm.min | 85Kw/3500rpm  Yes (mandatory) |  |
| 1. Maximum torque developed/rpm), min | 270Nm/1800rpm  Yes (mandatory) |  |
| 1. Air cleaner type, disposable/oil bath | Specify |  |
| 1. Oil and fuel filter type | Disposable |  |
| 1. Average fuel consumption (on full load) | 5 Kms/Lit. |  |
| 1. Fuel tank capacity, approx. | 100 Lts |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION** |  |  |
| 1. Clutch, dry single plate, | Yes |  |
| 1. Clutch system actuation, Hydraulic | Yes |  |
| 1. Gearbox, synchromesh | Yes |  |
| 1. Number of speeds, min. | 5F, 1R (mandatory) |  |
| 1. Drive configuration | 4x2 |  |
|  |  |  |
| 1. **BRAKES TYRESAND SUSPENSION** |  |  |
| 1. Brakes, hydraulic-pneumatic assisted | Yes |  |
| 1. Mechanical parking brake, to act on transmission-rear wheels | Yes |  |
| 1. Rear tyres | Dual |  |
| 1. Tyres size 215/65R16 locally manufactured | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front | Yes |  |
|  |  |  |
| 1. **STEERING, CONTROL AND CAB** |  |  |
| 1. Right Hand Drive steering | Yes |  |
| 1. Power assisted Steering type. | Yes (mandatory) |  |
| 1. All steel, spacious front cab to seat 3-passengers comfortably. | Yes |  |
| 1. Adjustable driver’s seat. | Yes |  |
| 1. Seat belts. | Yes |  |
|  |  |  |
| 1. **BODY CONSTRUCTION AND FITTINGS** |  |  |
| 1. Low sided body with drop side doors as per the given drawing. | Yes (mandatory) |  |
| 1. Body cross bearers of pre-stressed channel sections, 100x50x4.5mm equidistantly spaced at a maximum of 500mm apart. | Yes |  |
| 1. Suitable size well seasoned timber runners, with inverted steel section at top, between body frame and chassis. | Yes |  |
| 1. Body secured to chassis by U- bolts, diameter 16mm, held in position on wooden V-blocks. | Yes |  |
| 1. Body floor fabricated from 3.2mm thick mild steel plate (full width) reinforced at equal distances with box/channel sections. | Yes |  |
| 1. Steel platform body, made from mild steel chequered plate of thickness 3.2mm. | Yes (Mandatory) |  |
| 1. Reinforced fixed tailgate suitably for carrying poles as per the given drawing. | Yes |  |
| 1. Suitable size toolbox to be fitted on to the cargo carrier. | Yes |  |
| 1. Body cargo carrier front reinforced suitably to carry heavy loads as per the given drawing. | Yes |  |
| 1. Suitable rear mudguards fitted. | Yes |  |
| 1. Stone guards fitted for taillights. | Yes |  |
| 1. Suitable size ladder fitted for the body cargo carrier. | Yes |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes |  |
| 1. All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and undercoat. | Yes |  |
| 1. Truck to be painted in current Kenya Power paints specified by the user. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform Cap 403 Kenya Traffic Act. | Yes (Mandatory) |  |
| 1. Properly safeguard and exposed number plate | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM/INSTRUMENTS** |  |  |
| 1. System voltage, negative earth | 24V |  |
| 1. Battery capacity and size | 2x12V, 65AH |  |
| 1. Full lighting to conform to Cap 403, Subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or |  |  |
| 1. Warning lights) for charging circuit, oil |  |  |
| Pressure, coolant temperature etc | Yes |  |
|  |  |  |
| 1. **EQUIPMENT** |  |  |
| 1. Heavy duty type front fender | Yes |  |
| 1. Laminated (safety) windshield | Yes |  |
| 1. Sun visors supplied | Yes |  |
| 1. Rear view mirrors (external and internal) supplied | Yes |  |
| 1. Full size spare Tyre with rim and carrier mounted under truck. | Yes |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer’s standard tools, | Yes |  |
| 1. Hazard Triangles, First Aid KS-2094-2007 and 1 Kg fire extinguisher cylinder. | Yes, Mandatory |  |
| 1. Vehicle to be fitted with electronic speed governor | Yes, Mandatory |  |
| 1. Governor to limit maximum speed to 80km/hr and certificate provided. | Yes Mandatory |  |
| 1. Governor to be tamper proof | Yes |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting | Yes Mandatory |  |
| 1. Engine immobilizes system fitted. | Yes |  |
| 1. Supply addition Loose Floor rubber mats. | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied to carry a statement of warranty | Yes |  |
| 1. Vehicle warranty duration min. 12 Months | Specify (months) |  |
| 1. 40,000Km whichever occurs first | Specify (Kms) (mandatory) |  |
| 1. Vehicle Free Service on Labour& Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS** |  |  |
| 1. Manufacturer’s authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the KPLC Engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffic act |  |  |
| 1. Car identity on all Glasses and Lights | Yes |  |
| 1. 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) |  |

|  |  |  |
| --- | --- | --- |
| MEDIUM TRUCK, 4X2, 7.0 – 8.0 TON, CAB CHASSIS  Quantity: 2  Specification NO.KPLC-TPT-02-13-14  Description: Medium truck 4x2, 7.0-8.0 Ton cab chassis complete with low sided body | | |
|  | KPLC Requirements | Tenderer’s offer |
| **MAKE** | - |  |
| **MODEL** | - |  |
| **COUNTRY OF ORIGIN** | - |  |
|  |  |  |
| **1. GENERAL.** |  |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, 4x2, diesel utility medium truck of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Control Forward/Normal | Specify |  |
| 1. Designed for heavy duty specifications, capable of operating in tropical conditions of mud and dust. | Yes (mandatory) |  |
| 1. Most suitable for operating on both "on and off" road conditions. | Yes (mandatory) |  |
| 1. Most suitable for fitting operating high lifting crane and cargo transportation as per the supplied drawing sheet. | Yes (mandatory) |  |
|  |  |  |
| **2. DIMENSIONS AND WEIGHTS.** |  |  |
| a) Overall length, min. | 7,400 mm (mandatory) |  |
| b) Overall width approx. | 2,400 mm |  |
| c) Overall height min. | 2,500 mm |  |
| d) Wheel base min. | 4,200 mm (mandatory) |  |
| e) Length of chassis after Cab, min. | 5,000 mm (mandatory) |  |
| f) Kerb weight min. | 3,500 Kg (mandatory) |  |
| g) Max. G.V.W. Aprox. | 13,500 Kg |  |
| h) Payload, within range. | 7,000 – 8,000 Kg (mandatory). |  |
| I) Permissible front (steering) axle load, max | 5,500kg (mandatory) |  |
| j) Permissible rear (for dual wheels) axle load, max | 8,500Kg (mandatory) |  |
| k) Ground clearance, min | 250 mm (mandatory) |  |
|  |  |  |
| **3. ENGINE.** |  |  |
| a) Make | - |  |
| b) Model | - |  |
| c) Country of origin | - |  |
| d) Engine performance curves supplied | Yes |  |
| e) Diesel Engine, water cooled, 4 stroke | Yes, (mandatory) |  |
| f) Mode of aspiration. (Natural/Turbo) | Specify |  |
| g) Piston displacement, within range. | 7,000cc – 8,500 cc Yes(mandatory) |  |
| h) Number of cylinders, min. | 6 No. (mandatory) |  |
| i) Maximum power output /rpm, min | 180hp/3,000rpm  Yes (mandatory) |  |
| j) Maximum torque developed/rpm), min | 500Nm/1800rpm  Yes (mandatory) |  |
| k) Air cleaner type, disposable/oil bath | Specify |  |
| l) Oil and fuel filter type | Disposable |  |
| m) Average fuel consumption (on full load) | Specify Kms/lit |  |
| n) Fuel tank capacity, min. | 200 Lts |  |
| o) Extra fuel tank fitted capacity | Specify |  |
|  |  |  |
| **4. CLUTCH AND TRANSMISSION.** |  |  |
| a) Clutch, dry single plate, | Yes |  |
| b) Clutch system actuation, Hydraulic | Yes |  |
| c) Gearbox, synchromesh | Yes |  |
| d) Number of speeds, min. | 5F, 1R(mandatory) |  |
| e) Drive configuration | 4x2 Yes (mandatory) |  |
|  |  |  |
| **5. BRAKES AND TYRES.** |  |  |
| a) Brakes, hydraulic-pneumatic assisted | Yes (mandatory) |  |
| b) Mechanical parking brake, to act on transmission | Yes |  |
| c) Rear tyres | Dual |  |
| d) Tyres size locally manufactured | Yes |  |
| e) Optimum tyre size | Specify |  |
| f) Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front | Yes |  |
|  |  |  |
| **6. STEERING, CONTROL AND CAB.** |  |  |
| a) Right Hand Drive steering | Yes |  |
| b) Steering type Manual/assisted | Power steering (Mandatory) |  |
| c) Seat belts | Yes (Mandatory) |  |
|  |  |  |
| **7. BODY CONSTRUCION.** |  |  |
| a) Low-sided body as per the given drawing. | Yes (mandatory) |  |
| b) Body cross bearers of pre-stressed channel sections, 100x50x4.5mm equidistantly spaced at a maximum of 500mm apart. | Yes |  |
| c) Suitable size well seasoned timber runners, with inverted steel section at top, between body frame and chassis. | Yes |  |
| d) Body secured to chassis by U-bolts, diameter 16mm, held in position on wooden V-blocks. | Yes |  |
| e) Body floor fabricated from 3.2mm thick mild steel plate (full width) reinforced at equal distances with box/channel sections. | Yes |  |
| f) Steel platform body, made from mild steel chequered plate of thickness 3.2mm. | Yes |  |
| g) Droped tailgate and sides suitably reinforced. | Yes |  |
| h) Suitable size toolbox to be fitted under body on the right hand side. | Yes |  |
| i) Fixed cargo carrier clear of cab to create suitable space for fitting crane machine as per the given drawing. | Yes |  |
| j) Suitable rear mudguards fitted. | Yes |  |
| k) Stone guards fitted for taillights. | Yes |  |
| l) Suitable size ladder fitted for the body cargo carrier. | Yes |  |
| m) Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes |  |
| n) All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and undercoat. | Yes |  |
| o) Truck to be painted in current Kenya Power paints as specified by the user. | Yes (Mandatory) |  |
| p) Body construction and all fitments to conform Cap 403 Kenya Traffic Act. | Yes (Mandatory) |  |
| q) Properly safeguard and expose number plate | Yes (Mandatory) |  |
|  |  |  |
| **8 ELECTRICAL SYSTEM/INSTRUMENTS.** |  |  |
| a) System voltage, negative earth | 24V Yes |  |
| b) Battery capacity and size | Specify |  |
| 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 |  |
|  |  |  |
| **9 EQUIPMENT.** |  |  |
| a) Heavy duty type front fender | Yes |  |
| b) Laminated (safety) windshield | Yes |  |
| c) Sun visors supplied | Yes |  |
| d) Rear view mirrors (external both sides and internal) supplied | Yes |  |
| e) Full size spare Tyre with rim and carrier mounted under truck | Yes |  |
| f) Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools, | Yes, |  |
| g) Any other equipment (or accessories) supplied | Specify |  |
| h) Vehicle to be fitted with electronic speed governor | Yes (Mandatory) |  |
| I) Governor to limit maximum speed to 80km/hr certificate provided. | Yes (Mandatory) |  |
| j) Governor to be tamper proof | Yes (Mandatory) |  |
| k) Governor to be certified by KPLC Engineer before fitting. | Yes (Mandatory) |  |
| l) Engine immobilize system fitted | Yes |  |
| m) Hazard Triangles metallic, Standard First Aid KS-2094-2007 and 1 Kg fire extinguisher. | Yes (Mandatory) |  |
| n) Supply addition Loose Floor rubber mats | Yes |  |
|  |  |  |
| **10. WARRANTY.** |  |  |
| a) Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| b) Each vehicle supplied to carry a statement of warranty | Yes |  |
| c) Vehicle warranty duration min. 12 Months 40,000Km | Specify Months |  |
| Whichever occurs first | Specify Kms (mandatory) |  |
| d) Vehicle Free Service on Labour & Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| **11. 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 (mandatory) |  |
| e) Service schedule supplied | Yes (mandatory) |  |
|  |  |  |
| **12. 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) Car identity on all Glasses and Lights. | Yes |  |
| g) Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| h) Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes |  |
| i) Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in at least four (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). | Attach list  Yes (Mandatory) |  |

|  |  |  |
| --- | --- | --- |
| **HEAVY TRUCK, 6X4, LOW SIDED BODY.**  **Quantity:** Five (5)  **Specification:** NO. KPLC-TPT-03-13-14  **Description:** Heavy Truck , 6X4, 15.0-16.0 Ton Payload Cab chassis, low sided body  Tenderers's name…………………………………………………………………………………… | | |
| 1. **GENERAL** | KPLC Requirements | Tenderer’s offer |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer’s Authorization supplied | Yes (mandatory) |  |
| 1. Manufacturer’s Literature & Brochures supplied | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production 6x4, 15 ton payload truck, low sided body of latest design in robust construction in current production and marketed in Kenya. | Yes, (mandatory) |  |
| 1. Supplied new | Yes (mandatory) |  |
| 1. Designed to heavy duty export specs, capable of operating in tropical conditions over paved and unpaved roads | Yes (mandatory) |  |
| 1. Control Forward/Normal | Specify |  |
| 1. Most suitable for operating on both “on and off” road conditions. | Yes (mandatory) |  |
| 1. Most suitable for personnel and containerized cargo transportation. | Yes (mandatory) |  |
|  |  |  |
| **2**. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length, min. | 9,400 mm  Yes (mandatory) |  |
| 1. Overall width approx. | 2,400 mm |  |
| 1. Overall height min. | 2,600 mm |  |
| 1. Wheel base min. | 5,700 mm  Yes (mandatory) |  |
| 1. Length of chassis after Cab, min. | 7,500 mm  Yes (mandatory) |  |
| 1. Kerb weight min. | 7,000 Kg  Yes (mandatory) |  |
| 1. Max. G.V.W. Approx. | 22,000 Kg |  |
| 1. Gross Payload, within range | 15,000 – 16,000 Kg Yes (Mandatory) |  |
| 1. Net Payload. Within range | 9,500-10,500 Kg  Yes (mandatory) |  |
| 1. Permissible front (steering) axle load, max | 6,000kg (mandatory) |  |
| 1. Permissible rear (for dual wheels) axle load, max | 10,000kg (mandatory) |  |
| 1. Ground clearance, min | 260 mm (mandatory) |  |
|  |  |  |
| **3. ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Diesel Engine, water cooled, 4 stroke | Yes, (mandatory) |  |
| 1. Mode of aspiration. (Natural/Turbo) | Specify |  |
| 1. Piston displacement, within range | 7545 – 9850cc Yes(mandatory)) |  |
| 1. Number of cylinders, min. | 6 No. (mandatory) |  |
| 1. Maximum power output /rpm, min | 220HP/2500rpm  Yes (mandatory) |  |
| 1. Maximum torque developed/rpm), min | 700Nm/1300rpm  Yes (mandatory) |  |
| 1. Air cleaner type, disposable/oil bath | Specify |  |
|  |  |  |
| **4. CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry single plate, | Yes |  |
| 1. Clutch system actuation, Hydraulic | Yes |  |
| 1. Gearbox, synchromesh | Yes |  |
| 1. Number of speeds, min. | 8F, 1R(mandatory) |  |
| 1. Drive configuration | 6x4 Yes (mandatory) |  |
|  |  |  |
| **5. BRAKES AND TYRES.** |  |  |
| 1. Brakes, hydraulic-pneumatic assisted | Yes (mandatory) |  |
| 1. Mechanical parking brake, to act on transmission | Yes |  |
| 1. Rear tyres | Dual |  |
| 1. Tyres size locally manufactured | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front | Yes |  |
|  |  |  |
| **6. STEERING, CONTROL AND CAB.** |  |  |
| 1. Right Hand Drive steering | Yes (Mandatory) |  |
| 1. Steering type - Power steering assisted | Yes (Mandatory) |  |
| 1. Seat belts conforming to the KEBS standard No. KS 06-664 of 1985 | Yes (Mandatory) |  |
|  |  |  |
| **7. BODY CONSTRUCION.** |  |  |
| 1. Low drop side body with 5 No. drop sides’ doors, height of drop side 460mm. | Yes (mandatory) |  |
| 1. Body secured to chassis by U-bolts, diameter 16mm, held in position on wooden V-blocks. | Yes (mandatory) |  |
| 1. Body floor fabricated from 4.0mm thick mild steel plate (full width) reinforced at equal distances with box/channel sections.. | Yes (mandatory) |  |
| 1. Body cross bearers of pre-stressed channel sections, 100x50x4.5mm equidistantly spaced at a maximum of 500mm apart | Yes |  |
| 1. Reinforced floor for heavier loads headboard of body | Yes (mandatory) |  |
| 1. Suitable size toolbox to be fitted under body on the right hand side. | Yes |  |
| 1. Fixed cargo carrier clear of cab to create suitable space for fitting crane machine. | Yes, (mandatory) |  |
| 1. Suitable rear mudguards fitted. | Yes, (mandatory) |  |
| 1. Stone guards fitted for taillights. | Yes |  |
| 1. Suitable size ladder fitted for the body cargo carrier. | Yes , (mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes |  |
| 1. All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and undercoat to prevent corrosion. | Yes |  |
| 1. Truck to be painted in KPLC paints as specified by the user. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform Cap 403 Kenya Traffic Act. | Yes (Mandatory) |  |
| 1. Properly safeguard and expose number plate | Yes (Mandatory) |  |
|  |  |  |
| **8. ELECTRICAL SYSTEM/INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth | 24V Yes |  |
| 1. Battery capacity and size | Specify |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc | Yes |  |
|  |  |  |
| **9. EQUIPMENT.** |  |  |
| 1. Full size spare Tyre with rim and carrier mounted under truck | Yes |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools. | Yes |  |
| 1. Vehicle to be fitted with electronic speed governor | Yes (Mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr certificate provided. | Yes (Mandatory) |  |
| 1. Governor to be tamper proof | Yes (Mandatory) |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting. | Yes (Mandatory) |  |
| 1. Engine immobilize system fitted | Yes |  |
| 1. Hazard Triangles metallic, Standard First Aid KS-2094-2007 and 2 Kg fire extinguisher. | Yes (Mandatory) |  |
|  |  |  |
| **10. WARRANTY.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied to carry a statement of warranty | Yes |  |
| 1. Vehicle warranty duration min. 12 Months 40,000Km | Specify Months |  |
| 1. Whichever occurs first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour& Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| **11. MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| **12. OTHER REQUIREMENTS.** |  |  |
| 1. Vehicle to be registered by Kenya Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the Senior Transport Engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the equipment. Attach proof of ownership/lease and list of equipment installed | Yes (mandatory) |  |
| 1. Car identity on all Glasses and Lights | Yes, (mandatory) |  |
| 1. Body construction and all fitments to conform to CAP 403-Kenya Traffic Act. | Yes (Mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes |  |
| 1. Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained In At least four major KPLC depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). | Attach list (mandatory) |  |

|  |  |  |
| --- | --- | --- |
| **SINGLE CAB, PICK-UP 4X2, 1-1.5 TON, 2400 - 3000cc, DIESEL.**  Quantity: 10  Specification No: KPLC-TPT-04-13-14  Description: Single cab pick-up, constructed complete with Matatu body.  TENDERERS'S NAME:…………………………………………………………………. | | |
|  | Kenya Power Requirements | Tenderer’s Offer |
| 1. **GENERAL.** |  |  |
| 1. Make: | - |  |
| 1. Model: | - |  |
| 1. Country of origin: | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production single cabin, 4x2, diesel utility vehicle open cargo carrier of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed for light duty specifications, suitable for Matatu body conversion and capable of operating in tropical conditions of mud and dust. | Yes (mandatory) |  |
| 1. Most suitable for operating on both "on and off" road conditions. | Yes |  |
| 1. Most suitable for personnel and cargo transportation. | Yes |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length, Approx. | 5,000 mm Yes (mandatory) |  |
| 1. Overall width , min. | 1,730mm  Yes (mandatory) |  |
| 1. Overall height , Approx. | 1,780mm |  |
| 1. Wheelbase, min. | 2,940mm Yes (mandatory) |  |
| 1. Max. G.V.W.min. | 2,500kg (mandatory) |  |
| 1. Kerb weight, max. | 1,400kg |  |
| 1. Ground clearance, min. | 180mm Yes (mandatory) |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Engine type, Diesel, 4 stroke, water cooled | Yes (mandatory) |  |
| 1. Piston displacement, within range. | 2,400- 3000 cc  Yes (mandatory) |  |
| 1. Number of cylinders | 4 |  |
| 1. Maximum power output (HP/rpm), min. | 75kw/3600rpm Yes (mandatory) |  |
| 1. Maximum torque developed (NM/rpm), min. | 175Nm/2200rpm Yes (mandatory) |  |
| 1. Engine aspiration, turbocharged | Yes (mandatory) |  |
| 1. Air filter, disposable/oil bath | Specify |  |
| 1. Fuel system, Direct Injection | Yes (mandatory) |  |
| 1. Average fuel consumption (on full load) | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. | 80 Liters |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry single plate, diaphragm type | Specify |  |
| 1. Hydraulic, clutch actuation | Yes |  |
| 1. Manual synchromesh gearbox | Yes |  |
| 1. Total Speeds min | 5F/1R (mandatory) |  |
|  |  |  |
|  |  |  |
| 1. **BRAKES AND TYRES.** |  |  |
| 1. Assisted hydraulic, dual brake system | Yes |  |
| 1. Drum or disc brake | Specify front |  |
|  | Specify rear |  |
| 1. Mechanical parking brake, to act on transmission or rear wheels | Yes Specify |  |
| 1. Locally manufactured dual purpose tyres | Yes,(mandatory) |  |
| 1. Optimum tyre size | Specify |  |
| 1. Tubed or Tubeless | Specify |  |
|  |  |  |
| 1. **SUSPENSIONS AND STEERING.** |  |  |
| 1. Front and rear suspension, independent with telescopic dampers | Specify Front |  |
|  | Rear |  |
| 1. Power assisted steering | Yes, (Mandatory) |  |
| 1. Right hand drive steering | Yes, (Mandatory) |  |
|  |  |  |
| 1. **REAR CREW CAB.** |  |  |
| 1. Driver's Cabin - Roomy cab to seat 2 adults comfortably, driver’s seat adjustable. | Yes (mandatory) |  |
| 1. Rear crew cab- Suitable seats for at least 6 adults comfortably seated, complete with safety belts. | Yes (mandatory) |  |
| 1. Tools cabin to include a suitable fixed and removable toolbox. | Yes (mandatory) |  |
|  |  |  |
| 1. **BODY AND FINISH.** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted. | Yes |  |
| 1. Anti-rust compound applied to under body for seaside operation. | Yes |  |
| 1. Body finish, high gloss colour as specified in the drawing. | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM AND INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth, with alternator charging. | 12V, Yes, Yes |  |
| 1. Battery capacity. | 1x12V, 65Ah |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act. | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc. | Yes |  |
|  |  |  |
| 1. **EQUIPMENT.** |  |  |
| 1. Sun-visors supplied 2 No. | Yes |  |
| 1. Rear view mirrors supplied 2 No. External, 1 No. Internal | Yes |  |
| 1. FM, MW, SW radio cassette fitted. | Yes |  |
| 1. Spare wheel and external carrier supplied. | Yes |  |
| 1. Manufacturer's standard tools, supplied. | Specify |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools. | Yes |  |
| 1. Vehicle to be fitted with electronic speed governor | Yes (mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr and provide certificate. | Yes (mandatory) |  |
| 1. Governor to be tamper proof (sealed). |  |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting. | Yes (mandatory) |  |
| 1. Anti-theft alarm fitted | Yes |  |
| 1. Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher. | Yes |  |
| 1. Supply addition Loose Floor rubber mats. | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied should carry a |  |  |
| statement of warranty | Yes (mandatory) |  |
| 1. Vehicle warranty min., 12 Months or | Specify months |  |
| 40,000Kmwhichever comes first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour & Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes (mandatory) |  |
| 1. Service schedule supplied | Yes (mandatory) |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturer’s authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles. | Yes (mandatory) |  |
| 1. Vehicle is inspected by the Senior Transport engineer. | Yes (mandatory) |  |
| 1. e) Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Car identity on all Glasses and Lights | Yes (Mandatory) |  |
| 1. Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained in at least four (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). | Attach list  Yes (Mandatory) |  |

|  |  |  |
| --- | --- | --- |
| **SINGLE CAB, PICK-UP 4X2, 1-1.5 TON, 2400 - 3000cc, DIESEL.**  Quantity: 1  Specification NO: KPLC-TPT-05-13-14  Description: Single cab, open pick-up body.  TENDERERS'S NAME:………………………………………………………………………… | | |
|  | Kenya Power Requirements | Tenderer’s Offer |
| 1. **GENERAL.** |  |  |
| 1. Make: | - |  |
| 1. Model: | - |  |
| 1. Country of origin: | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production single cabin, 4x4, diesel utility vehicle open cargo carrier of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed for light duty specifications, capable of operating in tropical conditions of mud and dust. | Yes |  |
| 1. Most suitable for operating on both "on and off" road conditions. | Yes |  |
| 1. Most suitable for personnel and cargo transportation. | Yes |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length min. | 5000mm Yes (mandatory) |  |
| 1. Overall width, min. | 1730mm  Yes (mandatory) |  |
| 1. Overall height min. | 1600mm |  |
| 1. Wheel base. min. | 2940mm Yes (mandatory) |  |
| 1. Max. G.V.W.min. | 2500kg Yes (mandatory) |  |
| 1. Kerb weight, max. | 1200kg Yes (mandatory) |  |
| 1. Ground clearance, min. | 180mm Yes (mandatory) |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Engine type, Diesel, 4 stroke, water cooled | Yes (mandatory) |  |
| 1. Piston displacement, within range. | 2,400- 3000 cc  Yes (mandatory) |  |
| 1. Number of cylinders | 4 |  |
| 1. Maximum power output (hp/rpm), min. | 75kw/3600rpm Yes (mandatory) |  |
| 1. Maximum torque developed (Nm/rpm), min. | 175Nm/2200rpm Yes (mandatory) |  |
| 1. Engine aspiration, turbocharged | Yes (mandatory) |  |
| 1. Air filter, disposable/oil bath | Specify |  |
| 1. Fuel system, Direct Injection | Yes (mandatory) |  |
| 1. Average fuel consumption (on full load) | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. | 80 Liters |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry single plate, diaphragm type | Specify |  |
| 1. Hydraulic, clutch actuation | Yes |  |
| 1. Manual synchromesh gearbox | Yes |  |
| 1. Total Speeds min | 5F/1R (mandatory) |  |
|  |  |  |
|  |  |  |
| 1. **BRAKES AND TYRES.** |  |  |
| 1. Assisted hydraulic, dual brake system | Yes |  |
| 1. Drum or disc brake | Specify front |  |
|  | Specify rear |  |
| 1. Mechanical parking brake, to act on transmission or rear wheels | Yes Specify |  |
| 1. Locally manufactured dual purpose tyres | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Tubed or Tubeless | Specify |  |
|  |  |  |
| 1. **SUSPENSIONS AND STEERING.** |  |  |
| 1. Front and rear suspension, independent with telescopic dampers | Specify Front |  |
|  | Rear |  |
| 1. Manual/assisted steering | Specify |  |
| 1. Right hand drive steering | Yes |  |
|  |  |  |
| 1. **PICK-UP BODY.** |  |  |
| 1. Driver's Cabin - Roomy cab to seat 2 adults comfortably, driver’s seat adjustable. | Yes (mandatory) |  |
| 1. Rear cargo carrier- To be fitted with tubular anti-roll bars of 300mm diameter. | Yes (mandatory) |  |
| 1. Rear cargo carrier to include a suitable fixed and removable toolbox and the spare wheel carrier. | Yes (mandatory) |  |
| 1. Rear cargo carrier to be fitted with the chequered plate. | Yes (mandatory) |  |
|  |  |  |
| 1. **BODY AND FINISH.** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted. | Yes |  |
| 1. Anti-rust compound applied to underbody for seaside operation | Yes |  |
| 1. Vehicle to be painted in the recommended current Kenya power paints as specified. | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM AND INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth, with alternator charging | 12V, Yes, Yes |  |
| 1. Battery capacity. | 1x12V, 65Ah |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act. | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc. | Yes |  |
|  |  |  |
| 1. **EQUIPMENT** |  |  |
| 1. Sun visors supplied 2 No. | Yes |  |
| 1. Rear view mirrors supplied 2 No. External, 1 No. Internal | Yes |  |
| 1. FM, MW, SW radio cassette fitted | Yes |  |
| 1. Spare wheel and external carrier supplied | Yes |  |
| 1. Manufacturer's standard tools, supplied | Specify |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools | Yes |  |
| 1. Vehicle to be fitted with electronic speed governor | Yes (mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr and provide certificate. | Yes (mandatory) |  |
| 1. Governor to be tamper proof (sealed) |  |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting. | Yes (mandatory) |  |
| 1. Anti-theft alarm fitted | Yes |  |
| 1. Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher. | Yes |  |
| 1. Supply addition Loose Floor rubber mats | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied should carry a |  |  |
| 1. statement of warranty | Yes (mandatory) |  |
| 1. Vehicle warranty min., 12 Months or | Specify months |  |
| 1. 40,000Kmwhichever comes first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour& Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturer’s authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles. | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the KPLC Engineer prior to delivery. | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffics act. | Yes |  |
| 1. Car identity on all Glasses and Lights | Yes |  |
| 1. 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) |  |

|  |  |  |
| --- | --- | --- |
| **DOUBLE CABIN, 4X4, LWB, 2400 - 3000cc, DIESEL**  Quantity: 35  Specification NO. KPLC-TPT-06-13-14  Description: Double cabin, 4x4, LWB, 2400 - 3000cc, Diesel  TENDERERS'S NAME……………………………………………………….. | | |
|  | KPLC Requirements | Tenderer’s Offer |
| 1. **GENERAL.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production double cabin, 4x4, diesel utility vehicle of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed for light duty specifications, capable of operating in tropical conditions of mud and dust. | Yes (mandatory) |  |
| 1. Most suitable for operating both "on and off" road conditions. | Yes (mandatory) |  |
| 1. Most suitable for personnel and cargo transportation. | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length, min. | 5,000 mm Yes (mandatory) |  |
| 1. Overall width, min. | 1,750 mm (Mandatory) |  |
| 1. Overall height, approx. | 1,780 mm |  |
| 1. Wheelbase, min. | 3000 mm Yes (mandatory) |  |
| 1. Ground Clearance, min. | 230 mm Yes (mandatory) |  |
| 1. Max. G.V.W. approx. | 2,740 Kg |  |
| 1. Kerb weight approx. | 1,800 Kg |  |
| 1. Turning radius, approx. | 6,500 mm |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Engine type, diesel, 4 stroke, water cooled | Yes, |  |
| 1. Piston displacement, within range. | 2,400-3,000cc.  Yes (mandatory) |  |
| 1. Engine aspirationturbocharged | Yes (mandatory) |  |
| 1. Number of cylinders min. | 4 |  |
| 1. Maximum power output/rpm, min. | 60 kw/4000rpm Yes, (mandatory) |  |
| 1. Maximum torque developed/rpm, min. | 180Nm/2400rpm Yes, (mandatory) |  |
| 1. Engine aspiration, turbocharged | Yes, (mandatory) |  |
| 1. Fuel system, Direct Injection | Yes (mandatory) |  |
| 1. Air filter, disposable/oil bath | Specify |  |
| 1. Oil and fuel filter type | Disposable |  |
| 1. Average fuel consumption (on full load) | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. | 70 Litres |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry single plate, diaphragm type. | Specify |  |
| 1. Hydraulic, clutch actuation. | Yes |  |
| 1. Manual synchromesh gearbox. | Yes,(mandatory) |  |
| 1. Total Speeds, min. | 5F/1R, Yes |  |
|  |  |  |
| 1. **BRAKES AND TYRES.** |  |  |
| 1. Assisted hydraulic, dual brake system | Yes |  |
| 1. Drum or disc brake | Specify front |  |
|  | Specify rear |  |
| 1. Mechanical parking brake, to act on transmission or rear wheels | Yes Specify |  |
| 1. Locally manufactured dual purpose tyres | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Tubed or Tubeless | Specify |  |
|  |  |  |
| 1. **SUSPENSION AND STEERING.** |  |  |
| 1. Front and rear suspension, independent | Specify Front |  |
| with telescopic dampers | Rear |  |
| 1. Power assisted steering | Yes, (Mandatory) |  |
| 1. Right hand drive steering | Yes |  |
|  |  |  |
| 1. **CREW CAB.** |  |  |
| 1. Roomy cab to seat 5 adults comfortably including driver, driver’s seat adjustable. | Yes(mandatory) |  |
| 1. Front row adjustable seats for two with safety (seat) belts provided. | Yes(mandatory) |  |
| 1. Second row to seat 3 adults comfortably c/w seat belts | Yes |  |
| 1. Tools Cabin steel body as per the given drawing. | Yes (mandatory) |  |
| 1. Suitable size toolbox to be fitted in the rear cabin. | Yes |  |
| 1. Suitably, fixed ladder carrier on top rear cabin. | Yes |  |
|  |  |  |
| 1. **BODY AND FINISH.** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanised or painted. | Yes |  |
| 1. Body finish, high gloss Kenya Power colours as specified by the user. | Yes(mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM/INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth, with alternator charging | 12V, Yes |  |
| 1. Battery capacity | Specify |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc | Yes |  |
|  |  |  |
| 1. **EQUIPMENT.** |  |  |
| 1. Sun visors supplied 2 No. | Yes |  |
| 1. Rear view mirrors supplied 2 No. External, 1 No. Internal | Yes |  |
| 1. FM, MW, SW radio cassette fitted | Yes |  |
| 1. Spare wheel & external carrier supplied | Yes |  |
| 1. Manufacturer's standard tools, supplied | Specify |  |
| 1. High raise jack with jacking points and wheel brace supplied | Yes |  |
| 1. Beacon light & Overhead Adjustable spotlight. | Yes |  |
| 1. Vehicle to be fitted with electronic speed governor | Yes (mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr and provide certificate. | Yes (mandatory) |  |
| 1. Governor to be tamper proof | Yes |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting | Yes (mandatory) |  |
| 1. Anti-theft alarm system fitted | Yes |  |
| 1. Metallic Hazard Triangles 2No, standard First Aid KS-2094-2007 and 1 Kgs fire extinguisher. | Yes |  |
| 1. Supply addition Loose Floor rubber mats | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied should carry a | Yes |  |
| Statement of warranty | Yes (mandatory) |  |
| 1. Vehicle warranty min., 12 Months or | Specify months |  |
| 40,000Km whichever comes first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour& Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied. | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturers’ authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the Senior Transport Engineer prior to delivery. | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffics act. | Yes |  |
| 1. Car identity on all Glasses and Lights | Yes |  |
| 1. 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 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.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. 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) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed for light duty specifications, capable of operating in tropical conditions of mud and dust. | Yes (mandatory) |  |
| 1. Most suitable for operating both "on and off" road conditions. | Yes (mandatory) |  |
| 1. Most suitable for personnel and cargo transportation. | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS** |  |  |
| 1. Overall length min. | 5080mmYes(mandatory) |  |
| 1. Overall width, min. | 1700mm Yes(mandatory) |  |
| 1. Overall height approx. | 2000mm |  |
| 1. Wheelbase min. | 2900mm Yes (mandatory) |  |
| 1. Max. G.V.W. approx. | 3200kg |  |
| 1. Kerb weight. Max. | 2500kg |  |
| 1. Ground clearance, min. | 230mm  Yes (mandatory) |  |
| 1. Minimum turning radius, approx. | 7.0m |  |
|  |  |  |
| 1. **ENGINE** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Engine type, diesel, 4 stroke, water cooled | Yes (mandatory) |  |
| 1. Piston displacement, within the range. | 3800-4200cc (Mandatory) |  |
| 1. Number of cylinders, min. | 6 |  |
| 1. Maximum power output (Kw/rpm), approx. | 95kw/3600rpm Yes (mandatory) |  |
| 1. Maximum torque developed (Nm/rpm), approx. | 280Nm/2100rpm Yes (mandatory) |  |
| 1. Engine aspiration, natural/turbocharger | Specify |  |
| 1. Air filter, disposable/oil bath | Specify |  |
| 1. Average fuel consumption (on full load) | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. | 90 Liters |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION** |  |  |
| Clutch, dry single plate, diaphragm type | Specify |  |
| Hydraulic, clutch actuation | Yes |  |
| Manual synchromesh gearbox | Yes |  |
| Min. 5-Speed manual/1Reverse | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRIC WINCH AND FRONT BUMPER BAR** |  |  |
| 1. T-Max Electric winch and Power take-off assembly. | Yes (Mandatory) |  |
| 1. Air bag compatible bull bar with T jacking slots. | Yes (Mandatory) |  |
| 1. A bull bar with a recessed winch compatible fitment | Yes (Mandatory) |  |
| 1. 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) |  |
| 1. T-Max high lift jack, properly secured inside the rear cabin. | Yes (Mandatory) |  |
|  |  |  |
| 1. **BRAKES AND TYRES** |  |  |
| 1. Assisted hydraulic, dual brake system | Yes |  |
| 1. Drum or disc brake | Specify front |  |
|  | Specify rear |  |
| 1. Mechanical parking brake, to act on transmission or rear wheels | Yes Specify |  |
| 1. Locally manufactured dual purpose tyres | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Tubed or Tubeless | Specify |  |
|  |  |  |
| 1. **SUSPENSION AND STEERING** |  |  |
| 1. Front and rear suspension, independent with coil-spring and telescopic dampers | Specify Front: |  |
|  | Rear: |  |
| 1. Power assisted steering system. | Yes (mandatory) |  |
| 1. Right hand drive steering | Yes (mandatory) |  |
|  |  |  |
| 1. **PICK-UP BODY** |  |  |
| 1. Suitable Cargo box for fitting High raise flat form (street lighting bucket). | Yes (mandatory) |  |
| 1. Cargo box floor to be reinforced with the Chequered plate material l2.5mm thick. | Yes (mandatory) |  |
| 1. Suitable bolted toolbox. | Yes |  |
|  |  |  |
| 1. **BODY AND FINISH.** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted | Yes |  |
| 1. Anti-rust compound applied to under body for seaside operation | Yes |  |
| 1. Body finish, high gloss current Kenya power colors as specified by the user. | Yes (mandatory) |  |
| 1. Suitable bumper bar for fitting Electric winch. | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM AND INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth, with alternator charging | 12V, Yes, Yes |  |
| 1. Battery capacity | 1x12V, 70Ah |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc | Yes |  |
|  |  |  |
| 1. **EQUIPMENT.** |  |  |
| 1. Sunvisors supplied 2 No. | Yes |  |
| 1. Rear view mirrors supplied 2 No. External, 1 No. Internal | Yes |  |
| 1. FM, MW, SW radio cassette fitted. | Yes |  |
| 1. Spare wheel and external carrier supplied. | Yes |  |
| 1. Manufacturer's standard tools, supplied. | Specify |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools | Yes |  |
| 1. Vehicle to be fitted with electronic speed governor. | Yes (mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr. | Yes (mandatory) |  |
| 1. Governor to be tamper proof. | Yes (mandatory) |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting. | Yes (mandatory) |  |
| 1. Anti-theft alarm fitted. | Yes (mandatory) |  |
| 1. Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher. | Yes (mandatory) |  |
| 1. Supply addition Loose Floor rubber mats | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied should carry a | Yes |  |
| 1. statement of warranty | Yes (mandatory) |  |
| Vehicle warranty min., 12 Months or | Specify months |  |
| 40,000Kmwhichever comes first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour & Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS** |  |  |
| 1. Manufacturers’ authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the KPLC Engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffics act. | Yes |  |
| 1. Car identity on all Glasses and Lights | Yes |  |
| 1. 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.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. 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) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed for light duty specifications, capable of operating in tropical conditions of mud and dust. | Yes (mandatory) |  |
| 1. Most suitable for operating on both "on and off" road conditions. | Yes (mandatory) |  |
| 1. Most suitable for personnel and cargo transportation. | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length min. | 5080mm Yes (mandatory) |  |
| 1. Overall width, min. | 1700mm  Yes (mandatory) |  |
| 1. Overall height approx. | 2000mm |  |
| 1. Wheelbase min. | 2900mm Yes (mandatory) |  |
| 1. Max. G.V.W. approx. | 3200kg |  |
| 1. Kerb weight, max. | 2500kg |  |
| 1. Ground clearance, min. | 230mm Yes (mandatory) |  |
| 1. Minimum turning radius, approx. | 7.0m |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Engine type, diesel, 4 stroke, water cooled | Yes (mandatory) |  |
| 1. Piston displacement, within the range. | 3800-4200cc (Mandatory) |  |
| 1. Number of cylinders, min. | 6 |  |
| 1. Maximum power output (hp/rpm)approx. min. | 95kw/3600rpm Yes (mandatory) |  |
| 1. Maximum torque developed (Nm/rpm), approx. min. | 280Nm/2100rpm Yes (mandatory) |  |
| 1. Engine aspiration, natural/turbocharger | Specify |  |
| 1. Air filter, disposable/oil bath | Specify |  |
| 1. Average fuel consumption (on full load) | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. approx. | 90 Liters |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry single plate, diaphragm type | Specify |  |
| 1. Hydraulic, clutch actuation | Yes |  |
| 1. Manual synchromesh gearbox | Yes |  |
| 1. Min. 5-Speed manual/1Reverse | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRIC WINCH AND FRONT BUMPER BAR.** |  |  |
| 1. T-Max Electric winch and Power take-off assembly. | Yes (Mandatory) |  |
| 1. Air bag compatible bull bar with T jacking slots. | Yes (Mandatory) |  |
| 1. A bull bar with a recessed winch compatible fitment | Yes (Mandatory) |  |
| 1. 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) |  |
| 1. T-Max high lift jack suitably secured at the rear cargo box. | Yes (Mandatory) |  |
|  |  |  |
| 1. **BRAKES AND TYRES.** |  |  |
| 1. Assisted hydraulic, dual brake system | Yes |  |
| 1. Drum or disc brake | Specify front |  |
|  | Specify rear |  |
| 1. Mechanical parking brake, to act on transmission or rear wheels | Yes Specify |  |
| 1. Locally manufactured dual purpose tyres | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Tubed or Tubeless | Specify |  |
|  |  |  |
| 1. **SUSPENSION AND STEERING.** |  |  |
| 1. Front and rear suspension, independent with coil-spring and telescopic dampers | Specify Front: |  |
|  | Rear: |  |
| 1. Power assisted steering system. | Yes (mandatory) |  |
| 1. Right hand drive steering | Yes (mandatory) |  |
|  |  |  |
| 1. **REAR CREW CAB.** |  |  |
| 1. Driver's Cabin - Roomy cab to seat 2 adults comfortably, with driver’s seat adjustable | Yes (mandatory) |  |
| 1. Rear crew cab to seat at least 6 adults comfortably complete with safety belts. | Yes (mandatory) |  |
| 1. Suitable bolted toolbox. | Yes (mandatory) |  |
|  |  |  |
| 1. **BODY AND FINISH.** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted. | Yes (Mandatory) |  |
| 1. Anti-rust compound applied to underbody for seaside operation. | Yes |  |
| 1. Body finish, high gloss colour as specified by the user. | Yes (mandatory) |  |
| 1. Suitable bumper bar for fitting Electric winch. | Yes (mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM AND INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth, with alternator charging | 12V, Yes, Yes |  |
| 1. Battery capacity | 1x12V, 70Ah |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc | Yes |  |
|  |  |  |
| 1. **EQUIPMENT.** |  |  |
| 1. Sun visors supplied 2 No. | Yes |  |
| 1. Rear view mirrors supplied 2 No. External, 1 No. Internal. | Yes |  |
| 1. FM, MW, SW radio cassette fitted. | Yes |  |
| 1. Spare wheel and external carrier supplied | Yes (mandatory) |  |
| 1. Manufacturer's standard tools, supplied | Specify |  |
| 1. Hydraulic (telescopic) jack and wheel brace, supplied | Yes (mandatory) |  |
| 1. Vehicle to be fitted with electronic speed governor. | Yes (mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr. | Yes (mandatory) |  |
| 1. Governor to be tamper proof. | Yes (mandatory) |  |
| 1. Governor to be certified by Senior Transport Engineer before fitting. | Yes (mandatory) |  |
| 1. Anti-theft alarm fitted. | Yes |  |
| 1. Metallic Hazard Triangles, standard First Aid KS-2094-2007 and 1Kg fire extinguisher. | Yes (mandatory) |  |
| 1. Supply addition Loose Floor rubber mats | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied should carry a |  |  |
| statement of warranty | Yes (mandatory) |  |
| 1. Vehicle warranty min., 12 Months or | Specify months |  |
| 40,000Kmwhichever comes first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour & Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturer’s authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the KPLC Engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act. | Yes |  |
| 1. Car identity on all Glasses and Lights | Yes |  |
| 1. 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 |
| 1. **GENERAL.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. 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) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed to medium duty specifications, capable of operating in tropical conditions in extremes of mud and dust. | Yes (mandatory) |  |
| 1. Most suitable for operating both "on and off" road conditions. | Yes (mandatory) |  |
| 1. Most suitable for personnel transportation. | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length min. | 5000mmYes(mandatory) |  |
| 1. Overall width, min. | 2200mm Yes(mandatory) |  |
| 1. Overall height approx. | 1850mm |  |
| 1. Wheelbase min. | 2700mm Yes (mandatory) |  |
| 1. Max. G.V.W. approx. | 3000kg |  |
| 1. Kerb weight. Max. | 1800kg |  |
| 1. Ground clearance, min. | 200mm Yes (mandatory) |  |
| 1. Minimum turning radius, approx. | 7.0m |  |
| 1. Max. gradient, min | 0.6 Yes |  |
| 1. Wading depth, min. | 400mm Yes |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Engine type, diesel, 4 stroke, water cooled | Yes (mandatory) |  |
| 1. Piston displacement, within the range. | 2800-3000ccYes (Mandatory) |  |
| 1. Number of cylinders, min. | 4 No. |  |
| 1. Maximum power output (Kw/rpm), approx. | 70kw/4000rpm Yes (mandatory) |  |
| 1. Maximum torque developed (Nm/rpm), approx. | 400Nm/2000rpm Yes (mandatory) |  |
| 1. Engine aspiration, natural/turbocharger | Specify |  |
| 1. Air filter, disposable/oil bath | Specify |  |
| 1. Average fuel consumption (on full load) |  |  |
| Urban driving | Specify Kms/lit |  |
| Steady 50km/hr | Specify Kms/lit |  |
| Steady 80km/hr | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. | 90 Liters |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION** |  |  |
| 1. Clutch, dry single plate, diaphragm type | Specify |  |
| 1. Hydraulic, clutch actuation | Yes |  |
| 1. All synchromesh gearbox, with 2 speed reduction transfer gearbox | Yes |  |
| 1. Transmission speeds, | 5 speed Yes (Mandatory) |  |
| 1. Permanent 4WD or with selector from 2WD to 4WD | Yes (Mandatory) |  |
| 1. Differential lock provided | Yes (Mandatory) |  |
| 1. Freewheeling hubs fitted | Yes (Mandatory) |  |
|  |  |  |
| 1. **ELECTRIC WINCH AND FRONT BUMPER BAR** |  |  |
| 1. System voltage, negative earth, with alternator charging | Yes (Mandatory) |  |
| 1. Battery capacity. | 1x12V, 70AH |  |
| 1. Standard instrument and gauges, warning lights for charging circuit, oil pressure, coolant temperature etc. | Yes (Mandatory) |  |
|  |  |  |
| 1. **BRAKES AND TYRES** |  |  |
| 1. Assisted hydraulic, dual brake system | Yes, Yes |  |
| 1. Drum or disc brake | Specify front |  |
|  | Specify rear |  |
| 1. Mechanical parking brake, to act on transmission or rear wheels | Yes Specify |  |
| 1. Tyre locally manufactured | Yes |  |
| 1. Optimum tyre size | Specify size |  |
| 1. Tubed or Tubeless | Specify |  |
|  |  |  |
| 1. **SUSPENSION AND STEERING** |  |  |
| 1. Independent heavy duty front and rear suspension | Yes (mandatory) |  |
| 1. Heavy duty leaf or coil springs with telescopic dampers | Specify Front: |  |
|  | Rear: |  |
| 1. Power assisted steering system. | Yes (mandatory) |  |
| 1. Right hand drive steering | Yes (mandatory) |  |
|  |  |  |
| 1. **STATION WAGON** |  |  |
| 1. 4 No. side doors and rear side-swing door station wagon | Yes (mandatory) |  |
| 1. To seat at least 7 adults including driver comfortably. | Yes (mandatory) |  |
| 1. Seating arrangements: 2 in front, 3 in middle, & 3-4 at the rear ( front facing or facing each other) | Yes (mandatory) |  |
| 1. To be fitted with adequate winding/sliding windows for good ventilation and wide view | Yes |  |
|  |  |  |
| 1. **BODY AND FINISH.** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted | Yes |  |
| 1. Anti-rust compound applied to under body for seaside operation | Yes |  |
| 1. Body finish, high gloss as specified by the user. | Yes (mandatory) |  |
| 1. Suitable bumper bar for fitting Electric winch. | Yes (Mandatory) |  |
| 1. Fitted with reclining and adjustable driver and passenger seats | Yes |  |
| 1. Upholstery reinforced PVC. | Yes (mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM AND INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth, with alternator charging | 12V, Yes, Yes |  |
| 1. Battery capacity | 1x12V, 70Ah |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc | Yes |  |
|  |  |  |
| 1. **EQUIPMENT.** |  |  |
| 1. Heavy duty front fender fitted | Yes |  |
| 1. Rear view mirrors supplied 2 No. External, 1 No. Internal | Yes |  |
| 1. FM, MW, SW radio cassette fitted. | Yes |  |
| 1. Spare wheel and external carrier supplied. | Yes |  |
| 1. Manufacturer's standard tools, supplied. | Specify |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools | Yes |  |
| 1. Vehicle to be fitted with electronic speed governor. | Yes (mandatory) |  |
| 1. Sun visors supplied. | Yes (mandatory) |  |
| 1. Heavy duty hooks at rear and front | Yes (mandatory) |  |
| 1. Safety belts provided for all seats belts conforming to **KEBS 06-664: 1985** Standard | Yes (mandatory) |  |
| 1. Anti-theft alarm fitted. | Yes (mandatory) |  |
| 1. Metallic Hazard Triangles, standard First Aid **KS-2094-2007** and 1Kg fire extinguisher. | Yes (mandatory) |  |
| 1. Supply addition Loose Floor rubber mats | Yes (mandatory) |  |
| 1. Air conditioner | Yes (mandatory) |  |
| 1. Air bags | Yes (mandatory) |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied should carry a | Yes |  |
| 1. statement of warranty | Yes (mandatory) |  |
| Vehicle warranty min., 12 Months or | Specify months |  |
| 40,000Kmwhichever comes first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labour & Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturers’ authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Vehicle to be inspected by the KPLC Engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshops with adequate equipment and facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya Traffic Act CAP 403. | Yes (Mandatory) |  |
| 1. Car identity on all Glasses and Lights | Yes (Mandatory) |  |
| 1. 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) |  |

|  |  |  |
| --- | --- | --- |
| **5.0 TON LIFTING CAPACITY FORKLIFT.**  QUANTITY: 3 (Three)  Specification No:KPLC-TPT-10-13-14  Description: 5.0 Ton capacity Fork Lift capable of operating in a standard transportation container.  Tenderers's name………………………………………………………………………………… | | |
|  | KPLC Requirements | Tenderer’s Offer |
| 1. **GENERAL.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production Diesel propelled Fork lift of latest design in robust construction in current production marketed in Kenya | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed for heavy duty specifications, capable of operating in a limited space, inside a standard transportation container. | Yes (mandatory) |  |
|  |  |  |
| 1. **WEIGHTS.** |  |  |
| 1. Load capacity min. | 5000Kg  Yes ( Mandatory) |  |
| 1. Un laden weight min. | 1200Kg |  |
| 1. Axle loading with load, front/rear min. | 1700Kg/2000Kg |  |
| 1. Service weight approx. | 7000Kg, Yes |  |
|  |  |  |
| 1. **WHEELS AND TYRES.** |  |  |
| 1. Tyres: Industrial solid tyres | Yes( Mandatory) |  |
| 1. Wheels,4front(driven) and 2rear | Yes( Mandatory) |  |
| 1. Track width front, max. | 1790mm |  |
| 1. Track width rear, max. | 1270mm |  |
| 1. Tyres, single drive, Drive, 300 x 15 | Yes (mandatory) |  |
| 1. Tyres, single drive, Drive, 7.00 x 15 | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS.** |  |  |
| 1. Wheelbase min. | 2300mmYes  ( Mandatory) |  |
| 1. Mast/Fork tilts, forward max. | 15degrees |  |
| 1. 2 Stage clear view cut mast, overall height, max. | 2000mm |  |
| 1. Free lift, min | 120mm |  |
| 1. Mast/Fork tilt, backward max. | 12degrees |  |
| 1. Overall height, mast lowered, max | 2350mm |  |
| 1. Free lift | Specify |  |
| 1. Lift height approx. min. | 5400mm |  |
| 1. Height of mast, extended. | Specify |  |
| 1. Cab height approx. min. | 3000mm |  |
| 1. Seat height approx. min. | 1600mm |  |
| 1. Towing coupling height min. | 500mm |  |
| 1. Overall length min. | 4880mm |  |
| 1. Length to face of forks min. | 3650mm |  |
| 1. Fork carriage width, min. | 2000mm  Yes (Mandatory) |  |
| 1. Fork carriage length, min. | 1800mm  Yes (Mandatory) |  |
| 1. Ground clearance under mast, with load approx. min. | 200mm |  |
| 1. Ground clearance, center of wheelbase min. | 250mm |  |
| 1. Outer turning radius approx. min. | 3300mm |  |
| 1. Inner turning radius approx. min. | 1350mm |  |
|  |  |  |
| 1. **PERFORMANCE.** |  |  |
| 1. Travel speed with/without load. | Specify |  |
| 1. Lifting speed with/without load | Specify |  |
| 1. Lowering speed with/without load. | Specify |  |
| 1. Transmission-3-speed hydrodynamic | Yes (mandatory) |  |
| 1. Hydraulic service brake | Yes (mandatory) |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Engine manufacture/type | Specify |  |
| 1. Engine output, min. | 90Kw@2400rpm  Yes (mandatory) |  |
| 1. Power: Diesel | Yes ( Mandatory) |  |
| 1. Engine torque approx. | 500Nm/1200rpm |  |
| 1. Turning speed approx. | 2000rpm |  |
| 1. Number of cylinders. | 4Cylinders |  |
| 1. Engine capacity (displacement) within range. | 3500cc-4500cc.  Yes( Mandatory) |  |
|  |  |  |
| 1. **ACCESSORIES.** |  |  |
| 1. Maintenance & Service manual | Yes |  |
| 1. Operational Manual | Yes |  |
| 1. Spare Parts Catalogue | Yes |  |
| 1. Repair Manuals | Yes |  |
| 1. Supply complete with 2 No. spare wheels, wheel spanner and hydraulic bottle jack. | Yes( Mandatory) |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturers’ authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (Mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the equipment. Attach proof of ownership/lease and list of equipment installed | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya traffic act and to have a certificate from vehicle inspection center. | Yes (mandatory) |  |
| 1. Plant to be inspected by the KPLC Engineer prior to delivery. | Yes (mandatory) |  |
| 1. 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). |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TRUCK MOUNTED HYDRAULIC INSULATED TELESCOPIC ARTICULATING AERIAL PLATFORM COMPLETE WITH CAB CHASSIS.**  **(17 METERS WORKING HEIGHT, 46 kV INSULATION AND BELOW)**  **QUANTITY: 8 (**Eight)  **SPECIFICATIONS:** KPLC-MECH-11-13-14 | | | | |
| **TENDERER’S NAME:**……………………………………… | | | | |
|  | | Tenderer’s Offer |  | |
| **MAKE** | | - |  | |
| **MODEL** | | - |  | |
| **COUNTRY OF ORIGIN** | | - |  | |
|  | |  |  | |
| **1. GENERAL** | |  |  | |
| 1. Manufacturer's Authorization for aerial platform | | Yes (mandatory) |  | |
| 1. Manufacturer's Authorization for cab chassis | | Yes (mandatory) |  | |
| 1. Manufacturer's Literature & Brochures for aerial platform | | Yes (mandatory) |  | |
| 1. Manufacturer's Literature & Brochures for cab chassis | | Yes (mandatory) |  | |
| 1. Provide four manufacturer’s customer references for similar equipment supplied and operational. | | Yes (mandatory) |  | |
| 1. Technical Specification Sheet fully completed and submitted. | | Yes (mandatory) |  | |
| 1. A standard production, **TRUCK MOUNTED ARTICULATED AND TELESCOPIC INSULATED AERIAL PLATFORM AND CAB CHASSIS** of latest design in the class, robust construction in current production and marketed in Kenya. | | Yes (mandatory) |  | |
| 1. Supplied new. | | Yes (mandatory) |  | |
| 1. Aerial platform to be supplied installed on a standard production, right hand drive,4x2, diesel truck of latest design in the class, robust construction in current production and marketed in Kenya. | | Yes (mandatory) |  | |
| 1. Tenderer to provide load and stability calculations for platform based on the proposed chassis offered in this tender. | | Yes (mandatory) |  | |
| 1. Aerial platform manufacturers confirmation that platform will be tested and certified to required specifications as below at time of registration. | | Yes (mandatory) |  | |
| 1. Completed Aerial platform unit to meet ANSI A92.2 specifications or equivalent for Category C. | | Yes (mandatory) |  | |
| **2. PLATFORM PERFORMANCE, DIMENSIONS AND WEIGHTS** | | | | |
| a) Horizontal Reach to edge of platform, minimum | | 9 meters (mandatory) | |  |
| b) Platform Capacity, min, | | 225 Kgs (mandatory) | |  |
| c) Working height, minimum | | 17 meters (mandatory) | |  |
| d) Height to bottom of platform, minimum | | 15.5 meters (mandatory) | |  |
| e) Tendered to provide detailed drawings showing working envelope graph of platform as installed on the cab chassis offered | | Yes (mandatory) | |  |
| f) Stowed travel height in meters | | Specify | |  |
| g) Weight of aerial unit including outriggers | | specify | |  |
| h) Rotation / Slewing of aerial platform (360 degrees) | | Continuous (Mandatory) | |  |
| i) Platform size ,two man with 180° rotation | | Yes(Mandatory) | |  |
| j) Platform size, minimum | | Specify | |  |
| k) Platform controls to be single stick type | | Yes(Mandatory) | |  |
| l) Platform to have integral steps inside and outside | | Yes | |  |
| m) Platform to have a hydraulic circuit for a tool attachment | | Yes (mandatory) | |  |
| n) Platform to have a tilt facility | | Yes (mandatory) | |  |
| o) 4 outriggers to be included and independently controlled | | Yes (Mandatory) | |  |
| p)Unit to incorporate interlock safety feature where platform cannot be operated unless outriggers are down | | Yes (Mandatory) | |  |
| q) Recommended oil flow | | specify | |  |
| r) Working pressure, 13.0 MPa, min | | Yes (Mandatory) | |  |
| s) Maximum slope viable, min | | 5° (Mandatory) | |  |
| t)Aerial unit to have a hydraulic auto boom latch installed | | Yes (mandatory) | |  |
| u) Pneumatically engaged Power Take off. | | Yes | |  |
| v) High performance pump in bars | | specify | |  |
| w) Aerial unit will include Hose burst Valves. | | Yes | |  |
| x) Lower set of controls for platform included | |  | |  |
| **3. ELECTRIC INSULATION** | |  | |  |
| a) Insulation to 46kV, (must provide test certificate) | | Yes (mandatory) | |  |
| b) Upper boom includes a filament wound fiberglass insulating section that provides max isolation | | Yes (mandatory) | |  |
| c) Lower Boom includes a filament wound fiberglass insulating section that provides max isolation | | Yes (mandatory) | |  |
|  | |  | |  |
| **4. EMERGENCY POWER.** | | | | |
| a) Aerial unit to include emergency power system for platform control | | Yes (mandatory) |  | |
| b) Emergency power to be actuated from within platform | | Yes (mandatory) |  | |
|  | |  |  | |
| **5. AERIAL PLATFORM ACCESSORIES.** | |  |  | |
| a) A standard hydraulic impact wrench complete with hydraulic hoses and quick couplings. | | Yes(mandatory) |  | |
| b) Hydraulic Impact wrench to have 3/4" square drive standard and full set of metric impact sockets up to M24. | | Yes(mandatory) |  | |
| c) A standard hydraulic Handdrill complete with flexible hoses, quick couplings and chucks up to 17mm. | | Yes(mandatory) |  | |
| d) Manual Jib with hydraulic winch to be supplied | | Yes(mandatory) |  | |
| e) Jib capacity | | specify |  | |
| f) Winch to include standard rope and a hook | | Yes (mandatory) |  | |
| g) Jib standard weight | | Specify |  | |
| h) Jib can be stowed away when not required | | Yes (mandatory) |  | |
| i) Provide performance chart for jib on the envelope graph | | Yes (mandatory) |  | |
| j) One certified platform liner rated minimum 50kV to be supplied | | Yes (mandatory) |  | |
| h) Liner weight | | specify |  | |
| i) One vinyl platform cover to be supplied | | Yes (mandatory) |  | |
| j) Hour meter, attach Manufacturers literature. | | Yes (mandatory) |  | |
| k) Digital pressure sensor and gauges fitted, attach Manufacturers literature. | | Yes (mandatory) |  | |
| **6. AERIAL PLATFORM BODY** | |  |  | |
| a) Galvanized steel body with storage for live line tools and accessories | | Yes (mandatory) |  | |
| b) Steel panels to be 2mm | | Yes |  | |
| c) Floor to be non-slip/chequered plate | | Yes(mandatory) |  | |
| d) Paint epoxy primer with weather resistant topcoat | | Yes(mandatory) |  | |
| e) Ten Lockable compartments five left and five right side | | Yes(mandatory) |  | |
| f) Body must incorporate curbside gated access steps | | Yes(mandatory) |  | |
| g) Provide layout drawing for body on chassis with key dimensions | | Yes (mandatory) |  | |
| h)Body finish, high gloss colour of Kenya power branding colours and as further directed by the user. | | Yes (mandatory) |  | |
|  | |  |  | |
| **7. LOCAL SUPPORT FACILITIES** | |  |  | |
| a) Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the platform equipment. Attach proof of ownership/lease and list of equipment installed | | Yes (mandatory) |  | |
| b) Ownership of suitable Hydraulic pressure test equipment to test aerial unit to required standard prior to delivery of the aerial platform. | | Yes (mandatory) |  | |
| c) Ownership of Electric Dielectric test equipment to test aerial unit to required insulation prior to delivery of the aerial platform. | | Yes (mandatory) |  | |
| d) Availability of suitable Stability test equipment and facilities prior to delivery of the aerial platform. | | Yes (mandatory) |  | |
| e) Capacity to carry out periodic test (at least on quarterly basis) or after repairs. | | Yes (mandatory) |  | |
|  | |  |  | |
| **8. AERIAL PLATFORM WARRANTY & FREE SERVICE.** | |  |  | |
| a) Specimen of aerial unit warranty to be submitted when tendering. | | Yes (mandatory) |  | |
| b) Each aerial unit supplied to carry a statement of warranty. | | Yes (mandatory) |  | |
| c) Aerial unit warranty duration min. 12 Month or 1000 Hours whichever occurs first | | Specify Months  (Yes (mandatory) |  | |
| d) Aerial unit Free maintenance Service on Labour& Parts for one (1) year to be included in costs | | Parts (Kms)  Labour (Kms) |  | |
| e) After Sales service | | Yes (mandatory) |  | |
|  | |  |  | |
| **9. AERIAL PLATFORM MANUALS** | |  |  | |
| a) All literature in the English language | | Yes (mandatory) |  | |
| b) Maintenance & service manuals supplied | | Yes (mandatory) |  | |
| c) Parts catalogue supplied | | Yes (mandatory) |  | |
| d) Operator’s handbook supplied | | Yes (mandatory) |  | |
| e) Service schedule supplied | | Yes (mandatory) |  | |
| f)local training by the manufacturer for a maximum four (4) personnel per machine on safe operation and maintenance at the distributers site, costs to be included | | Yes (mandatory) |  | |
| g) Self-directed, computer based training (CBT) program for Aerial unit for safe operation | | Yes (mandatory) |  | |
|  | |  |  | |
| **10. OTHER REQUIREMENTS PLATFORM** | |  |  | |
| a) Body construction and all fitments to conform to current Kenya traffic act and to have a certificate from vehicle inspection center. | | Yes (mandatory) |  | |
| b) Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained | | Yes (Mandatory) |  | |
|  | |  |  | |
| **11. GENERAL CAB CHASSIS FOR MOUNTING AERIAL PLATFORM** | | |  | |
| 1. A standard production, 4x2, diesel medium truck of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) | |  | |
| 1. Control Forward/Normal | Specify | |  | |
| 1. Suitable for operating on both "on and off" road conditions and capable of operating in tropical conditions of mud and dust | Yes (mandatory) | |  | |
| 1. Local chassis dealership/franchise for back-up support and after sales service. Attach proof of confirmation on official letterhead | Yes (mandatory) | |  | |
| 1. Suitable for fitting & operating aerial platform | Yes (mandatory) | |  | |
|  |  | |  | |
| **12. CAB CHASSIS DIMENSIONS AND WEIGHTS** |  | |  | |
| a) Overall length, min. | 7,400 mm (mandatory) | |  | |
| b) Overall width, min. | 2,100 mm | |  | |
| c) Overall height min. | 2,400 mm | |  | |
| d) Wheel base min. | 4,200 mm (mandatory) | |  | |
| e) Cab to end of chassis, min. | 6,000 mm (mandatory) | |  | |
| f) Kerb weight min. | 2,900 Kg (mandatory) | |  | |
| g) G.V.W. min, | 9,500 Kg (mandatory) | |  | |
| h) Payload, min. | 6,000 kg (mandatory) | |  | |
| k) Ground clearance, min | 190 mm (mandatory) | |  | |
|  |  | |  | |
| **13. CAB CHASSIS ENGINE** |  | |  | |
| a) Make | - | |  | |
| b) Model | - | |  | |
| c) Country of origin | - | |  | |
| d) Engine performance curves supplied | Yes | |  | |
| e) Diesel Engine, water cooled, 4 stroke | Yes, (mandatory) | |  | |
| f) Mode of aspiration. (Natural/Turbo) | Specify | |  | |
| g) Piston displacement, min. | 6500cc Yes(mandatory) | | . | |
| h) Number of cylinders, min. | 6 No. | |  | |
| i) Maximum power output /rpm, min | 150 hp/3,000rpm  Yes (mandatory) | |  | |
| j) Maximum torque developed/rpm), min | 430Nm/1800rpm  Yes (mandatory) | |  | |
| k) Air cleaner type, disposable/oil bath | Specify | |  | |
| l) Oil and fuel filter type | Disposable | |  | |
| m) Average fuel consumption (on full load) | Specify Kms/lit | |  | |
| n) Fuel tank capacity, min. | 200 Lts (mandatory) | |  | |
| o) Extra fuel tank fitted capacity | Specify | |  | |
|  |  | |  | |
| **14. CLUTCH AND TRANSMISSION.** |  | |  | |
| a) Clutch, dry single plate, | Yes | |  | |
| b) Clutch system actuation, Hydraulic | Yes | |  | |
| c) Gearbox, synchromesh | Yes | |  | |
| d) Number of speeds, min. | 5F, 1R(mandatory) | |  | |
| e) Drive configuration | 4x2 Yes (mandatory) | |  | |
|  |  | |  | |
| **15. BRAKES AND TYRES.** |  | |  | |
| a) Brakes, hydraulic-pneumatic assisted | Yes | |  | |
| b) Mechanical parking brake, to act on transmission | Yes | |  | |
| c) Rear tyres | Dual | |  | |
| d) Tyres size locally manufactured | Yes | |  | |
| e) Optimum tyre size | Specify | |  | |
| f) Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front | Yes | |  | |
|  |  | |  | |
| **16. STEERING, CONTROL AND CAB.** |  | |  | |
| a) Right Hand Drive steering | Yes (Mandatory) | |  | |
| b) Steering type Manual/assisted | Power steering (Mandatory) | |  | |
| c) Seat belts | Yes (Mandatory) | |  | |
|  |  | |  | |
| **17. ELECTRICAL SYSTEM/INSTRUMENTS.** |  | |  | |
| a) System voltage, negative earth | 24V Yes | |  | |
| b) Battery capacity and size | Specify | |  | |
| 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 | |  | |
|  |  | |  | |
| **18. EQUIPMENT.** |  | |  | |
| a) Heavy duty type front fender | Yes | |  | |
| b) Laminated (safety) windshield | Yes | |  | |
| c) Sun visors supplied | Yes | |  | |
| d) Rear view mirrors (external both sides and internal) supplied | Yes | |  | |
| e) Full size spare Tyre with rim and carrier mounted under truck | Yes | |  | |
| f) Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools, | Yes, | |  | |
| g) Any other equipment (or accessories) supplied | Specify | |  | |
| h) Vehicle to be fitted with electronic speed governor approved by NTSA | Yes (Mandatory) | |  | |
| i) Governor to limit maximum speed to 80km/hr certificate provided. | Yes (Mandatory) | |  | |
| j) Governor to be tamper proof | Yes (Mandatory) | |  | |
| k) Governor to be certified by KPLC Engineer before fitting. | Yes (Mandatory) | |  | |
| i) Engine immobilize system fitted | Yes | |  | |
| m) Hazard Triangles metallic, Standard First Aid KS-2094-2007 and 1 Kg fire extinguisher. | Yes (Mandatory) | |  | |
| n) Supply additional loose Floor rubber mats | Yes | |  | |
|  |  | |  | |
| **19. WARRANTY.** |  | |  | |
| a) Specimen of vehicle warranty to be submitted when tendering | Yes | |  | |
| b) Each vehicle supplied to carry a statement of warranty | Yes | |  | |
| c) Vehicle warranty duration min. 12 Months 40,000Km | Specify Months | |  | |
| whichever occurs first | Specify Kms (mandatory) | |  | |
| d) Vehicle Free Service on Labour& Parts | Parts (Kms) | |  | |
|  | Labour (Kms) | |  | |
|  |  | |  | |
| **20. 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 (mandatory) | |  | |
| e) Service schedule supplied | Yes (mandatory) | |  | |
|  |  | |  | |
| **21. OTHER REQUIREMENTS FOR THE TRUCK MOUNTED AERIAL PLATFORM** |  | |  | |
| a) For supplier shipping full built units (equipment mounted on cab chassis) inspection will be carried out by KPLC Engineers at the manufacturer’s site prior to shipping. | Yes (mandatory) | |  | |
| b) Vehicle to be registered by Registrar of Motor Vehicles in Kenya | Yes (mandatory) | |  | |
| c) Car identity on all Glasses and Lights. | Yes | |  | |
| d) Body construction and all fitments to conform to current Kenya Traffic Act. | Yes (Mandatory) | |  | |
| e) Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes | |  | |
| f) Test certificate (Factory act Cap 514 for lifting equipment) provided on delivery | Yes (Mandatory) | |  | |
| g) KPLC Engineers will inspect all completed and registered units together with the specified test equipment and facility at the distributor’s premises prior to delivery to Kenya power. | | Yes (mandatory) |  | |
| h) Indicate name and physical addresses of all Dealers/Agents for cab chassis where Genuine Spares and back-up service can be obtained in at least four (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). Attach List. | Yes (Mandatory) | |  | |
|  |  | |  | |

|  |  |  |
| --- | --- | --- |
| **REAR TRUCK MOUNTED INSULATED DIGGER DERRICK COMPLETE WITH CAB CHASSIS**  **Quantity: 3 (Three)**  **Specifications:** NO. KPLC-MECH-12-13-14  **Tenderer’s name:……………………………………** | | |
|  | Tenderer’s Offer |  |
| **MAKE** | - |  |
| **MODEL** | - |  |
| **COUNTRY OF ORIGIN** | - |  |
|  |  |  |
| **1. GENERAL** |  |  |
| 1. Manufacturer's Authorization for Digger derrick | Yes (mandatory) |  |
| 1. Manufacturer's Authorization for cab chassis | Yes (mandatory) |  |
| 1. Manufacturer's Literature &Brochures for Digger derrick | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures for cab chassis | Yes (mandatory) |  |
| 1. Provide four manufacturer’s customer references for similar equipment supplied and operational. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, **REAR TRUCK MOUNTED INSULATED DIGGER DERRICK WITH CAB CHASSIS** of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new and of latest design in the class, robust construction in current production. | Yes (mandatory) |  |
| 1. Digger derrick to be supplied installed rear of body on a standard production, right hand drive,4x4, diesel truck of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Tenderer to provide load and stability calculations for unitbased on the proposed chassis offered in this tender. | Yes (mandatory) |  |
| 1. Digger derrick manufacturers confirmation that digger derrick will be tested and certified to required specifications prior delivery to Kenya Power. | Yes (mandatory) |  |
| 1. Complete Digger derrick unit to meet to meet or exceed latest ANSI A10.31specifications for Category C. | Yes (mandatory) |  |
|  |  |  |
| **2. DIGGER DERRICK PERFORMANCE, DIMENSIONS AND WEIGHTS** | | |
| 1. Sheave Height, both booms extended, minimum | 15.0 meters (mandatory) |  |
| 1. Horizontal reach, both booms extended, minimum | 12.0 meters (mandatory) |  |
| 1. Outer Digging radius, Max, | 9.0 meters (mandatory) |  |
| 1. d) Maximum Rating capacity, min | 8,500 Kgs (mandatory) |  |
| 1. Tenderer to provide detailed drawings showing working envelope graph of digger derrick as installed on the cab chassis offered | Yes(mandatory) |  |
| 1. Weight of digger derrick unit including outriggers | specify |  |
| 1. Rotation / Slewing of digger derrick | 360 degrees  Continuous (Mandatory) |  |
| 1. Digger Derrick to have a pole guide | Yes (mandatory) |  |
| 1. Digger derrick to have a pole guide interlock safety feature where inner boom cannot be extended unless pole guide in safe position | Yes (mandatory) |  |
| 1. Hydraulic two speed shift in operation Auger drive | Yes (mandatory) |  |
| 1. Auger Torques, Minimum | 16 KNm(mandatory) |  |
| 1. Boom Articulation, min -15 degrees to plus 80 degrees | Yes(mandatory) |  |
| 1. Top seat controls | Yes (mandatory) |  |
| 1. Hydraulic turntable winch capacity minimum, 6,500 Kgs | Yes (mandatory) |  |
| 1. 4 outriggers to be included Independent controlled | Yes (Mandatory) |  |
| 1. Unit to incorporate interlock safety feature where digger derrick cannot be operated unless outriggers are down | Yes (Mandatory) |  |
| 1. Recommended oil flow rate | specify |  |
| 1. Working pressure, 13.0 MPa. min | Yes specify |  |
| 1. Hydraulic Oil Tank Capacity | specify |  |
| 1. Maximum slope viable, min | 5° (Mandatory) |  |
| 1. One Set of outlets for hydraulic tools at base | Yes (Mandatory) |  |
| 1. Pneumatically engaged Power Take off. | Yes |  |
| 1. High performance pump | specify |  |
| 1. High Pressure hoses | Yes |  |
| 1. Hydraulic overload protection system to disable operations when overload condition is detected | Yes(mandatory) |  |
|  |  |  |
| **3. ELECTRIC INSULATION** |  |  |
| 1. Insulation to 46kV, (tenderer must provide test certificate). | Yes (mandatory) |  |
| 1. Digger derrick upper boom constructed of filament wound fiberglass certified for 46kv and below. | Yes (mandatory) |  |
|  |  |  |
| **4. ACCESSORIES.** | | |
| a)One Auger and auger extension to enable 2 meters depth auguring and diameter 400 mm. Auger for heavy solid ground conditions, compacted soils, heavy clay ,fractural and soft rock. | Yes(mandatory) |  |
| k) Digital pressure sensor fitted, attach Manufacturers literature. | Yes (mandatory) |  |
| b) Hour meter fitted, attach Manufacturers literature. | Yes (mandatory) |  |
|  |  |  |
| **5. DIGGER DERRICK BODY** | | |
| 1. Galvanized steel body with storage | Yes (mandatory) |  |
| 1. Steel panels to be 2mm | Yes |  |
| 1. Floor to be non-slip/chequered plate | Yes(mandatory) |  |
| 1. Paint epoxy primer with weather resistant topcoat | Yes(mandatory) |  |
| 1. Six Lockable compartments three left and three right side | Yes(mandatory) |  |
| 1. Provide layout drawing for body on chassis with key dimensions | Yes (mandatory) |  |
| 1. Body finish, high gloss colour of Kenya power branding colours and as further directed by the user. | Yes (mandatory) |  |
| **6. LOCAL DIGGER DERRICK SUPPORT FACILITIES** | | |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the digger derrick equipment. 2. Attach proof of ownership/lease and list of equipment installed | Yes (mandatory) |  |
| 1. Installation of Hydraulic pressure test equipment to test aerial unit to required standard prior to delivery. | Yes (mandatory) |  |
| 1. Installation of Electric Dielectric test equipment to test digger derrick to latest ANSI A10.31 prior to delivery. | Yes (mandatory) |  |
| 1. Availability of suitable Stability test equipment and facilities prior to delivery of the digger derrick. | Yes (mandatory) |  |
| 1. e) Capacity to carry out periodic test (at least on quarterly basis) or after repairs. | Yes (mandatory) |  |
|  |  |  |
| **7. WARRANTY & FREE SERVICE** | | |
| 1. Specimen of digger derrick warranty to be submitted when tendering. | Yes (mandatory) |  |
| 1. Each digger derrick supplied to carry a statement of warranty. | Yes (mandatory) |  |
| 1. Digger derrick warranty duration min. 12 Month or 1000 Hours whichever occurs first | Specify Months  (Yes (mandatory) |  |
| 1. Digger derrick Free maintenance Service on Labour& Parts for one (1) year to be included in costs | Parts (Kms)  Labour (Kms) |  |
| 1. After Sales service | Yes (mandatory) |  |
| 1. **MANUALS.** | | |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Maintenance & service manuals supplied | Yes (mandatory) |  |
| 1. Parts catalogue supplied | Yes (mandatory) |  |
| 1. Operator’s handbook supplied | Yes (mandatory) |  |
| 1. Service schedule supplied | Yes (mandatory) |  |
| 1. Local training by the manufacturer for a maximum four (4) personnel per machine on safe operation and maintenance at the distributers site, costs to be included | Yes (mandatory) |  |
| 1. Self-directed, computer based training (CBT) program for Digger derrick unit for safe operation | Yes (mandatory) |  |
|  |  |  |
| **9. OTHER REQUIREMENTS DIGGER DERRICK** | | |
| 1. Body construction and all fitments to conform to current Kenya traffic act and to have a certificate from vehicle inspection center. | Yes (mandatory) |  |
| 1. Digger derrick to be inspected by the KPLC Engineer prior to delivery/shipping. | Yes (mandatory) |  |
| 1. Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained | Yes (Mandatory) |  |
|  |  |  |
| **10. GENERAL CAB CHASSIS.** | | |
| 1. A standard production, 4x4, diesel medium truck of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Control Forward/Normal | Specify |  |
| 1. Suitable for operating on both "on and off" road conditions and capable of operating in tropical conditions of mud and dust | Yes (mandatory) |  |
| 1. Suitable for fitting & operating Digger derrick | Yes (mandatory) |  |
| 1. Local chassis dealership/franchise for back-up support and after sales service. Attach proof of confirmation on official letterhead | Yes (mandatory) |  |
|  |  |  |
| **11. CAB CHASSIS DIMENSIONS AND WEIGHTS** |  |  |
| 1. Overall length, min. | 7,400 mm (mandatory) |  |
| 1. Overall width approx. | 2,100 mm |  |
| 1. Overall height min. | 2,400 mm |  |
| 1. Wheel base min. | 4,200 mm (mandatory) |  |
| 1. Length of chassis after Cab, min. | 5,000 mm (mandatory) |  |
| 1. G.V.W. minimum | 12,000 Kg (mandatory) |  |
| 1. Cab weight min. | 4,000 Kg (mandatory) |  |
| 1. Payload, minimum. | 8,000 Kg (mandatory) |  |
| 1. Ground clearance, min | 230 mm (mandatory) |  |
|  |  |  |
| **12. CAB CHASSIS ENGINE** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Diesel Engine, water cooled, 4 stroke | Yes, (mandatory) |  |
| 1. Mode of aspiration. (Natural/Turbo) | Specify |  |
| 1. Piston displacement, minimum | 7500cc (mandatory) | . |
| 1. Number of cylinders, min. | 6 No. |  |
| 1. Maximum power output /rpm, min | 190hp/2,800rpm  Yes (mandatory) |  |
| 1. Maximum torque developed/rpm), min | 480Nm/1700rpm  Yes (mandatory) |  |
| 1. Air cleaner type, disposable/oil bath | Specify |  |
| 1. Oil and fuel filter type | Disposable |  |
| 1. Average fuel consumption (on full load) | Specify Kms/lit |  |
| 1. Fuel tank capacity, min. | 200 Lts (mandatory) |  |
| 1. Extra fuel tank fitted capacity | Specify |  |
|  |  |  |
| **13. CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry single plate, | Yes |  |
| 1. Clutch system actuation, Hydraulic | Yes |  |
| 1. Gearbox, synchromesh | Yes |  |
| 1. Number of speeds, min. | 5F, 1R(mandatory) |  |
| 1. Drive configuration | 4x4 Yes (mandatory) |  |
|  |  |  |
| **14. BRAKES AND TYRES.** |  |  |
| 1. Brakes, hydraulic-pneumatic assisted | Yes |  |
| 1. Mechanical parking brake, to act on transmission | Yes |  |
| 1. Rear tyres | Dual |  |
| 1. Tyres size locally manufactured | Yes |  |
| 1. Optimum tyre size | Specify |  |
| 1. Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front | Yes |  |
|  |  |  |
| **15. STEERING, CONTROL AND CAB.** |  |  |
| 1. Right Hand Drive steering | Yes (Mandatory) |  |
| 1. Steering type Manual/assisted | Power steering (Mandatory) |  |
| 1. Seat belts | Yes (Mandatory) |  |
|  |  |  |
|  |  |  |
| **16. ELECTRICAL SYSTEM/INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth | 24V Yes |  |
| 1. Battery capacity and size | Specify |  |
| 1. Full lighting to conform to Cap 403, subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc | Yes |  |
|  |  |  |
| **17. EQUIPMENT.** |  |  |
| 1. Heavy duty type front fender | Yes |  |
| 1. Laminated (safety) windshield | Yes |  |
| 1. Sun visors supplied | Yes |  |
| 1. Rear view mirrors (external both sides and internal) supplied | Yes |  |
| 1. Full size spare Tyre with rim and carrier mounted under truck | Yes |  |
| 1. Hydraulic (telescopic) jack, wheel brace & manufacturer's standard tools, | Yes, |  |
| 1. Any other equipment (or accessories) supplied | Specify |  |
| 1. Vehicle to be fitted with electronic speed governor approved by NTSA | Yes (Mandatory) |  |
| 1. Governor to limit maximum speed to 80km/hr certificate provided. | Yes (Mandatory) |  |
| 1. Governor to be tamper proof | Yes (Mandatory) |  |
| 1. Governor to be certified by KPLC Engineer before fitting. | Yes (Mandatory) |  |
| 1. Engine immobilize system fitted | Yes |  |
| 1. Hazard Triangles metallic, Standard First Aid KS-2094-2007 and 1 Kg fire extinguisher. | Yes (Mandatory) |  |
| 1. Supply additional loose Floor rubber mats | Yes |  |
|  |  |  |
| **18. WARRANTY.** |  |  |
| 1. Specimen of vehicle warranty to be submitted when tendering | Yes |  |
| 1. Each vehicle supplied to carry a statement of warranty | Yes |  |
| 1. Vehicle warranty duration min. 12 Months 40,000Km | Specify Months |  |
| 1. whichever occurs first | Specify Kms (mandatory) |  |
| 1. Vehicle Free Service on Labor & Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
|  |  |  |
| **19. MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes (mandatory) |  |
| 1. Service schedule supplied | Yes (mandatory) |  |
|  |  |  |
| **20. OTHER REQUIREMENTS CAB CHASSIS** |  |  |
| 1. For supplier shipping full built units (equipment mounted on cab chassis) inspection will be carried out by KPLC Engineers at the manufacturer’s site prior to shipping. | Yes (mandatory) |  |
| 1. Vehicle to be registered by Registrar of Motor Vehicles in Kenya | Yes (mandatory) |  |
| 1. Car identity on all Glasses and Lights. | Yes (mandatory) |  |
| 1. Body construction and all fitments to conform to current Kenya Traffic Act. | Yes (mandatory) |  |
| 1. Chevrons and reflectors fitted on rear to conform to Kenya traffic act. | Yes (Mandatory) |  |
| 1. Test certificate (Factory act Cap 514 for lifting equipment) provided on delivery | Yes (Mandatory) |  |
| 1. Mounted unit together with specified test equipment and facility at the local dealer’s premises to be inspected by the KPLC Engineer prior to delivery. | Yes (Mandatory) |  |
| 1. Indicate name and physical addresses of all Dealers/Agents for cab chassis where Genuine Spares and back-up service can be obtained in at least four (5) major Kenya Power depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). Attach List. | Yes(Mandatory) |  |

|  |  |  |
| --- | --- | --- |
| **9.0 TON TRUCK MOUNTED LIFTING CRANE.**  **Quantity:** Five (5)  **Specification:** NO. KPLC-MECH-13-13-14  **Description:** Truck Mounted Lifting crane, 233 kNm capacity, Capable of lifting 9.0 ton, complete with Hook.  Tenderers's name……………………………………………………………………………………. | | |
| 1. **GENERAL.** | Requirements | Tenderer’s Offer |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization for Crane, | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures for Crane. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, 9.0 Ton lifting capacity truck mounted knuckle boom lifting crane of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Crane to be fitted on cab chassis truck supplied | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Minimum Hydraulic Outreach, | 15.0 M (mandatory) |  |
| 1. Lifting Capacity, min. | 233kNm (mandatory) |  |
| 1. Extension cylinder pushing force | 42-58 kN |  |
| 1. Outreach manual extension (minimum) | 17.0m (mandatory) |  |
| 1. Lifting height above installation level. Hydraulic /manual. | 17.5/19.5m |  |
| 1. Outreach-Lifting Capacity, standard at 2.5 m | 9200kg (mandatory) |  |
| 1. Outreach-Lifting Capacity, standard at 4.5 m | 5,300kg (mandatory) |  |
| 1. Outreach-Lifting Capacity, standard at 6.2 m | 3,650kg (mandatory) |  |
| 1. Outreach-Lifting Capacity , standard at 10.4 m | 2,020kg (mandatory) |  |
| 1. Outreach-Lifting Capacity , standard at 12.7 m | 1,620kg (mandatory) |  |
| 1. Outreach-Lifting Capacity , standard at 15.0 m | 1,360kg (mandatory) |  |
| 1. Outreach-Lifting Capacity , standard at 17.2 m | 1,120kg (mandatory) |  |
| 1. Rec. oil flow | 50-70 l/min. |  |
| 1. Working pressure, 31.0 MPa | Yes (mandatory) |  |
| 1. Standard hydraulic tank capacity | 175 Litres |  |
| 1. Maximum slope viable at full capacity | 5° Yes (Mandatory) |  |
| 1. Slewing speed | 15° /s |  |
| 1. Gross Slewing torque | 34kNm |  |
| 1. Standard operating Slewing angle | 410°-430° |  |
| 1. Lifting speed at standard hydraulic outreach and rec.oil flow | 1.8m/s |  |
| 1. Height in folded position | 2330mm |  |
| 1. Width in folded position | 2500mm |  |
| 1. Installation space needed | 1100-1200mm |  |
|  |  |  |
| 1. **WEIGHTS.** |  |  |
| 1. Standard version Crane without support legs. | 3100Kg |  |
| 1. Frame attachments, anchoring bolts | 40-60Kg |  |
| 1. Support leg equipment. | 380-490kg |  |
| 1. Power Take off. | Yes (mandatory) |  |
| 1. High performance Hydraulic pump | 270BarsYes(mandatory) |  |
| 1. Crane will include Load Bearing Valves. | Yes |  |
| 1. Crane will include Load Failure Valves | Yes |  |
| 1. Test Certificate for crane supplied | Yes |  |
| 1. Hook Capacity , minimum | 9,200kg (mandatory) |  |
| 1. After Sales service | Yes |  |
| 1. One year minimum warranty | Yes (mandatory) |  |
| 1. Identical lever sequence from both sides | Yes (mandatory) |  |
| 1. **HIGH VOLTAGE ALERT SYSTEM.** |  |  |
| 1. High Volt Alert system fitted. | Yes (mandatory) |  |
| 1. Manufacturers authorization for high volt alert system | Yes (mandatory) |  |
| 1. PTO engaging high voltage alert system | Yes (mandatory) |  |
| 1. Nominal operating temperature within range 0° to +55° | Yes (mandatory) |  |
| 1. Sound warning tone- 85db | Yes (mandatory) |  |
| 1. Visual warning | Yes (mandatory) |  |
| 1. Detection range-50m | Yes |  |
|  |  |  |
| 1. **OTHER ACCESSORIES.** |  |  |
| 1. Hour meter and its accessories fitted. | Yes (mandatory) |  |
| 1. Manufacturers authorization for hour meter | Yes (mandatory) |  |
| 1. Maintenance & service manual. | Yes (mandatory) |  |
| 1. Operational manual. | Yes (mandatory) |  |
| 1. Spare parts catalogue. | Yes (mandatory) |  |
| 1. Cable Drum lifting bar and slinging chain set, 5 ton, min | Yes (mandatory) |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of crane warranty to be submitted when tendering. | Yes |  |
| 1. Each crane supplied to carry a statement of warranty. | Yes (mandatory) |  |
| 1. Truck mounted crane warranty duration min. 12 Months | Specify Months |  |
| 1000 Hours whichever occurs first | Specify Kms  (Yes (mandatory) |  |
| 1. Crane Free Service on Labour& Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Maintenance & service manuals supplied | Yes (mandatory) |  |
| 1. Parts catalogue supplied | Yes (mandatory) |  |
| 1. Operator’s handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
| 1. Training included operator/maintenance technicians | Yes (mandatory) |  |
| 1. Crane test compliance certificate provided | Yes (mandatory) |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturer’s authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (Mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the equipment. Attach proof of ownership/lease and list of equipment installed | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya traffic act and to have a certificate from vehicle inspection center. | Yes (mandatory) |  |
| 1. Crane to be inspected by the KPLC Engineer prior to delivery. | Yes (mandatory) |  |
| 1. Crane to be fitted onto the cab chassis truck. | Yes (mandatory) |  |
| 1. Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained | Attach list –  Yes (mandatory) |  |

|  |  |  |
| --- | --- | --- |
| **4WD TRACTOR COMPLETE WITH TRACTOR MOUNTED POST HOLE DIGGER.**  Quantity: 1  Specification: NO. KPLC-MECH-14-13-14  Description: 4WD tractor, complete with tractor mounted post hole digger**.**  Tenderers's name……………………………………………………………………………… | | |
| 1. **GENERAL.** | KPLC  REQUIREMENTS | Tenderer’s offer |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer’s Authorization supplied | Yes (mandatory) |  |
| 1. Manufacturer's literature/brochures and specification supplied | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, 4WD, 80HP Tractor complete with post hole digger of latest design in robust construction in current production marketed in Kenya. | Yes (mandatory), |  |
| 1. Supplied new | Yes (mandatory) |  |
| 1. Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads. | Yes |  |
| 1. Control Forward/Normal | Specify |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Overall length min. | 3600 mm **(**mandatory**)** |  |
| 1. Overall width approx. | 1800 mm |  |
| 1. Overall Height -Over exhaust approx. min. | 2500 mm |  |
| 1. Over steering wheel min. | 1600mm |  |
| 1. Wheel base min. | 2200 mm**(**mandatory**)** |  |
| 1. Max. G.V.W. approx. | 2600 Kg |  |
| 1. Turning circles-less brakes, approx. | 5500 mm |  |
| 1. Ground Clearance, under draw bar min. | 380 mm **(**mandatory**)** |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Engine performance curves supplied | Yes |  |
| 1. Diesel Engine, water cooled, 4 stroke | Yes (mandatory) |  |
| 1. Mode of aspiration. (Natural/Turbo) | Specify |  |
| 1. Piston displacement, within range. | 3,500 – 4,500 cc Yes (mandatory) |  |
| 1. Number of cylinders, 4/6 | Specify |  |
| 1. Rated engine power output /rpm, min. | 60Kw/2000rpm Yes (mandatory)**)** |  |
| 1. Maximum engine torque developed/rpm), min | 280Nm/1580rpm Yes (mandatory) |  |
| 1. Fuel tank capacity, min. | 70 Litres |  |
|  |  |  |
| 1. **CLUTCH AND TRANSMISSION.** |  |  |
| 1. Clutch, dry dual clutch. | Yes |  |
| 1. Clutch system actuation, Hydraulic | Yes |  |
| 1. Gearbox, synchromesh | Yes |  |
| 1. Number of speeds, min. | 10F, 10R(mandatory) |  |
| 1. Drive configuration | 4x4 |  |
|  |  |  |
| 1. **BRAKES, TYRES AND SUSPENSION.** |  |  |
| 1. Brakes rear, disc, actuated mechanically independent/lock | Yes Specify |  |
| 1. Mechanical parking brake, to act on transmission | Yes |  |
| 1. Tyres size locally manufactured | Yes |  |
| 1. Optimum tyre size front minimum. 7.50x16-6 | Yes (mandatory) |  |
| 1. Optimum tyre size reart minimum16.9x30-10 | Yes (mandatory) |  |
| 1. Differential lock mechanical. | Yes |  |
|  |  |  |
| 1. **STEERING, CONTROL AND CAB.** |  |  |
| 1. Steering type, Power assisted. | Yes (mandatory) |  |
| 1. Adjustable driver’s seat. | Yes |  |
| 1. Sun protection roof, instrument control panel, tachometer, fuel gauge, temperatures gauge, oil pressure with warning sign | Yes (mandatory) |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM/INSTRUMENTS.** |  |  |
| 1. System voltage, negative earth | 12V |  |
| 1. Battery capacity and size | 12v, 90AH-120AH |  |
| 1. Full lighting to conform to Cap 403, | Yes |  |
| 1. Subs 23-Kenya Traffic Act | Yes |  |
| 1. Standard instruments and gauges (or | Yes |  |
| 1. Warning lights) for charging circuit, oil | Yes |  |
| 1. Pressure, coolant temperature etc | Yes |  |
|  |  |  |
| 1. **POST HOLE DIGGER COMPLETE WITH AUGER.** | | |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer’s Authorization supplied | Yes (mandatory) |  |
| 1. Manufacturer's literature/brochures and specification supplied | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, Tractor mounted Post hole digger complete with Auger of latest design in robust construction in current production marketed in Kenya. | Yes (mandatory), |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Designed to heavy-duty export specifications, capable of operating in hard rocky surfaces | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Depth of auger penetration | 1000mm |  |
| 1. Gearbox, 540 rpm 4:1 ratio, Operating rpm:300 | Yes (Mandatory) |  |
| 1. Auger weight | 78Kgs |  |
| 1. Auger length | 1200mm |  |
| 1. Auger, 1/4" flighting, semi-double flight | Yes |  |
| 1. Weight Post hole digger with auger. | 263Kgs |  |
| 1. Width of Post hole digger | 900mm |  |
| 1. Height of Post hole digger | 2000mm |  |
| 1. Post hole digger weight, min. | 160Kgs |  |
| 1. Maximum depth of hole | 2000mm (Mandatory) |  |
| 1. Auger extension rods with adapters, length and plastic extension shields | Yes |  |
| 1. Suitable device that can be attached to 80HP tractor | Yes (Mandatory) |  |
| 1. Powered by PTO with 520 rpm through drive shaft | Yes (Mandatory) |  |
| 1. PTO hp within range. | 30-80 HP |  |
| 1. Gearbox, 2" output shaft. | Yes |  |
| 1. 3 No. each 7" and 14"Auger extension supplied. | Yes |  |
| 1. Bracket suitably mounted to bottom of gearbox cabin and to incorporate a post hole digger stand. | Yes |  |
| 1. Down pressure kits supplied | Yes |  |
| 1. Alignments handle to guide the augur from the tractor seat. | Yes |  |
| 1. Replaceable hardened steel points on Augur | Yes (Mandatory) |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of tractor warranty to be submitted when tendering | Yes |  |
| 1. Tractor supplied to carry a statement of warranty | Yes |  |
| 1. Tractor warranty duration min. 12 Months | Specify (months) |  |
| or 1000 Hrs whichever occurs first. | Specify (Hours) (mandatory) |  |
| 1. Pole Hole digger Free maintenance Service on Labour& Parts for one (1) year to be included in costs | Parts |  |
|  | Labour |  |
|  |  |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals/ microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Drivers handbook supplied | Yes (mandatory) |  |
| 1. Service schedule supplied | Yes (mandatory) |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Tractor to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Body construction and all fitments to conform Cap 403 Kenya Traffic Act | Yes (mandatory) |  |
| 1. Tractor to be inspected by the Chief Transport engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the equipment. Attach proof of ownership/lease and list of equipment installed | Yes (mandatory) |  |
| 1. Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained In At least four major KPLC depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). | Attach list - At least four major KPLC depots (mandatory) |  |

|  |  |  |
| --- | --- | --- |
| **MACRO-TUNNELING EQUIPMENT COMPLETES WITH PORTABLE AIR COMPRESSOR 7.0 BARS.**  Quantity: 1  Specification: No. KPLC-MECH-15-13-14  Description:Portable Macro-Tunneling Equipment 7.0 Bars Complete With Portable Air Compressor 7.0 Bars. | | |
| 1. **GENERAL.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's literature/brochures and specification supplied | Yes (mandatory) |  |
| 1. Manufacturer’s Authorization supplied | Yes (mandatory) |  |
| 1. Manufacturer’s Literature & Brochures supplied | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production macro-tunneling equipment of latest design in robust construction in current production and marketed in Kenya. | Yes, (mandatory) |  |
| 1. Supplied new | Yes (mandatory) |  |
| 1. Designed to heavy duty export specifications, capable of operating in tropical conditions under hard ground surface | Yes (mandatory) |  |
|  |  |  |
| 1. **EQUIPMENT** |  |  |
| 1. Soil displacement hammer type, minimum diameter 180mm including tracto servo control unit. | Yes (mandatory) |  |
| 1. Compressed air hose ND 140, 20m long, reinforced, oil and water resistant, with connection couplings. | Yes |  |
| 1. Control hose situated co-axial protected inside the compressed air hose. | Yes |  |
| 1. Control unit/regulator with 4 liter in-line lubricator, for lubricating and freezing protection. | Yes |  |
| 1. Complete with oil level indicator, ball valve and couplings. | Yes |  |
| 1. Regulated with setting switch. Switching into forward or reverse motion simply carried out using a lever at the control unit. | Yes (mandatory) |  |
| 1. Flat rolled rubber air hose , 10m,1" complete with couplings | Yes |  |
|  |  |  |
| 1. **ACCESSORIES FOR STARTING AND ALIGNING** |  |  |
| 1. 1.5m-2.0m device to align the equipment. Telescopic construction for easy transport, complete with telescopic sight, horizontal spirit level and surveyor’s staff | Yes (mandatory) |  |
| 1. Starting cradle for the exact alignment of the device sleeplessly adjustable both laterally and vertically, with lock for reverse run and earth anchors. | Yes (mandatory) |  |
| 1. Accessories for direct pipe pulling- Pull sleeve with connection cable, 25m steel cable and clamping plate up to outside diameter 160mm | Yes (mandatory) |  |
| 1. Accessories for assembly and maintenance- Tool box with special tools for maintenance and cleaning, including set of spanners and sealkit. | Yes (mandatory) |  |
|  |  |  |
| 1. **TOOL DIMENSIONS AND WEIGHT.** |  |  |
| 1. Air consumption, min. | 4.5 cbn/min  Yes, (mandatory) |  |
| 1. Weight, approx. | 260Kgs Yes |  |
| 1. No of strokes, min. | 280 strokes  Yes, (mandatory) |  |
| 1. Length, min. | 2200 mm Yes, (mandatory) |  |
| 1. Diameter, min. | 180mm Yes, (mandatory) |  |
| 1. Operating pressure, min. | 7.0 Bar Yes, (mandatory) |  |
| **PORTABLE AIR COMPRESSOR, 7.0 Bar.** | | |
| 1. **GENERAL.** | KPLC Requirements |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization for Crane, | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures for Crane. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, portable air compressor of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new | Yes (mandatory) |  |
| 1. Designed for heavy-duty working conditions, capable of operating in high and low altitudes, and extremely high and low ambient temperatures. | Yes (mandatory). |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. a) Overall length min. | 3500mm |  |
| 1. Overall width min. | 1490mm |  |
| 1. Overall height approx. min. | 1300mm |  |
| 1. Compressed air outlet. | 1 x 2" and 3 x ¾" |  |
| 1. Ground Clearance, min | 190 mm |  |
| 1. Allowable total weight approx. min. | 1000 Kg |  |
|  |  |  |
| 1. **ENGINE.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Number of cylinders | 4 |  |
| 1. Engine speed(nominal) | 2200rpm, Yes |  |
| 1. Engine speed (unloaded) | 1700rpm, Yes |  |
| 1. Turbo charged diesel Engine. | Yes (mandatory) |  |
| 1. Engine cooling system, liquid cooled | 20 litres, Yes |  |
| 1. Capacity oil system | 9.0litres |  |
| 1. Oil capacity, min. | 8.5 litres |  |
| 1. Actual free air delivery, within range. | 5.0-8.0m³/min. Yes(Mandatory) |  |
| 1. Pressure range. | 7.0-9.0 bar Yes(Mandatory) |  |
| 1. Power rated capacity, min. | 63 kW  Yes (Mandatory) |  |
| 1. Pressure flow rate, within range. | 350-400-cfm Yes(Mandatory) |  |
| 1. Normal effective working pressure, min. | 7 bar Yes(Mandatory) |  |
|  |  |  |
| 1. **STANDARD EQUIPMENT** |  |  |
| 1. Tyre (size) locally manufactured | Yes |  |
| 1. b) Optimum tyre size. | Specify |  |
| 1. Portable undercarriage with brakes and adjustable tow bar. | Yes |  |
| 1. Adjustable draw bar with Nato tow-eye | Yes |  |
| 1. Hour meter, pressure gauges fitted | Yes |  |
| 1. Lifting eye. | Yes |  |
|  |  |  |
| 1. **BODY AND FINISH** |  |  |
| 1. All exterior body panels made non- corrosive, and all external steel fitting to be galvanized or painted | Yes |  |
| 1. Body finish, high gloss colour as specified by the user. | Yes (mandatory) |  |
| 1. Fitted with adjustable tow bar or straight tow bar. | Specify |  |
|  |  |  |
| 1. **ELECTRICAL SYSTEM AND INSTRUMENTS** |  |  |
| 1. System voltage, negative earth, with alternator charging. | 12V, 65Ah Yes |  |
| 1. Battery capacity approx. | Specify |  |
| 1. Full lighting to conform to CAP 403-Kenya Traffic Act. | Yes |  |
| 1. Standard instrument panels and operational controls. | Yes |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE** |  |  |
| 1. Specimen of compressor be submitted when tendering | Yes |  |
| 1. Compressor warranty min., 12 Months or | Specify - Months |  |
| 1. 100Hrs whichever comes first | Hrs (mandatory) |  |
| 1. Micro-tunneling Free maintenance Service on Labour& Parts for one (1) year to be included in costs | Parts (Hrs) |  |
|  | Labour (Hrs) |  |
|  |  |  |
| 1. **MANUALS** |  |  |
| 1. All literature in English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue /microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Operator’s handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
|  |  |  |
| 1. **ACCESSORIES.** |  |  |
| 1. Supplied complete with new high-pressure pipes ¾”x20.0m complete with couplings. | Yes (mandatory) |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS** |  |  |
| 1. Compressor to be registered by Registrar of Motor Vehicles | Yes (mandatory) |  |
| 1. Compressor to be inspected by the Senior Transport Engineer prior to delivery | Yes (mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities for servicing the equipment. Attach proof of ownership/lease and list of equipment installed | Yes (mandatory) |  |
| 1. Body construction and all fitments to conform to CAP 403-Kenya Traffic Act. | Yes (Mandatory) |  |
| 1. Indicate name and physical addresses of all Dealers / Agents where Genuine Spares and back-up service can be obtained In At least four major KPLC depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). | Attach list (mandatory) – minimum of locations |  |

|  |  |  |
| --- | --- | --- |
| **6.0 TON (110kN) LIFTING TRUCK MOUNTED CRANE**  **QUANTITY: 2**  Specifications:No KPLC-MECH-16-13-14  Description**:** 6.0 Ton(110kN) Capacity Lifting truck mounted crane complete with Hook  Tenderer’s name**:………………………………………………………………………………….** | | |
|  | KPLC Requirements | Tenderer’s Offer |
| 1. **GENERAL.** |  |  |
| 1. Make | - |  |
| 1. Model | - |  |
| 1. Country of origin | - |  |
| 1. Manufacturer's Authorization for Crane; Supplied | Yes (mandatory) |  |
| 1. Manufacturer's Literature & Brochures for Crane: Supplied. | Yes (mandatory) |  |
| 1. Technical Specification Sheet fully completed and submitted. | Yes (mandatory) |  |
| 1. A standard production, 6.0 ton truck mounted knuckle boom lifting crane of latest design in the class, robust construction in current production and marketed in Kenya. | Yes (mandatory) |  |
| 1. Supplied new. | Yes (mandatory) |  |
| 1. Crane to be fitted on the supplied cab chassis truck | Yes (mandatory) |  |
|  |  |  |
| 1. **DIMENSIONS AND WEIGHTS.** |  |  |
| 1. Minimum Hydraulic Outreach standard | 10.6m (mandatory) |  |
| 1. Lifting Capacity, min. | 110kNm (mandatory) |  |
| 1. Hydraulic boom extension, min. | 5.9m |  |
| 1. Extension cylinder pulling force | 49-58KN |  |
| 1. Extension cylinder pushing force | 42-51KN |  |
| 1. Outreach manual extension | 12.8m |  |
| 1. Lifting height above installation level. Hydraulic /manual. | 13.0/15.2m |  |
| 1. Lifting Capacity at 1.8 m | 6000 kg |  |
| 1. Lifting Capacity at 3.5m | 3000kg |  |
| 1. Lifting Capacity at 5.2m | 2000kg |  |
| 1. Outreach-Lifting Capacity, standard at 3.0 m | 3,700kg (mandatory) |  |
| 1. Outreach-Lifting Capacity, standard at 4.5 m | 2,500kg (mandatory) |  |
| 1. Outreach-Lifting Capacity, standard at 6.3 m | 1,720kg (mandatory) |  |
| 1. Outreach-Lifting Capacity , standard at 10.3 m | 1,000kg (mandatory) |  |
| 1. Rec. oil flow | 45-50l/min. |  |
| 1. Working pressure, 28.5 MPa | Yes (mandatory) |  |
| 1. Oil in tank | 50L |  |
| 1. Maximum slope viable at full capacity | 6° Yes (Mandatory) |  |
| 1. Slewing speed | 15° m/s |  |
| 1. Max. Slope viable at full capacity | 6 degrees |  |
| 1. Slewing torque, gross | 16.4KNm |  |
| 1. Slewing angle | 415°-430° |  |
| 1. Lifting speed at standard hydraulic outreach and rec.oil flow | 1.7m/s |  |
| 1. Height in folded position | 2200mm |  |
| 1. Width in folded position | 2500mm |  |
| 1. Installation space needed | 860mm |  |
|  |  |  |
| 1. **WEIGHTS** |  |  |
| 1. Loader in standard version without support legs. | 1520Kg |  |
| 1. Frame attachments | 32-65Kg |  |
| 1. Support leg equipment. | 195-366kg |  |
| 1. Power Take off. | Yes (mandatory) |  |
| 1. High performance pump | 270BarsYes(mandatory) |  |
| 1. Anchoring Bolts | Yes |  |
| 1. High Pressure hoses | Yes (mandatory) |  |
| 1. Crane performance - Both sides | Yes |  |
| 1. Identical lever sequence | Yes |  |
| 1. Crane will include Load Bearing Valves. | Yes |  |
| 1. Crane will include Load Failure Valves. | Yes |  |
| 1. After Sales service | Yes |  |
| 1. Test Certificate for crane supplied | Yes (mandatory) |  |
| 1. One year minimum warranty | Yes (mandatory) |  |
|  |  |  |
| 1. **HIGH VOLTAGE ALERT SYSTEM** |  |  |
| 1. High Volt Alert system fitted. | Yes (mandatory) |  |
| 1. PTO engaging high voltage alert system | Yes (mandatory) |  |
| 1. Nominal operating temperature within range -5° to +55° | Yes (mandatory) |  |
| 1. Sound warning tone, max. | 85dbYes (mandatory) |  |
| 1. Visual warning | Yes (mandatory) |  |
| 1. Detection range-50m | Yes |  |
| 1. Hook capacity, min. | 7,000Kg Yes (mandatory) |  |
|  |  |  |
| 1. **EQUIPMENT OTHER ACCESSORIES.** |  |  |
| 1. Hour meter and its accessories fitted. | Yes (mandatory) |  |
| 1. Maintenance & service manual. | Yes (mandatory) |  |
| 1. Operational manual. | Yes (mandatory) |  |
| 1. Spare parts catalogue. | Yes (mandatory) |  |
|  |  |  |
| 1. **WARRANTY & FREE SERVICE.** |  |  |
| 1. Specimen of crane warranty to be submitted when tendering. | Yes |  |
| 1. Each crane supplied to carry a statement of warranty. | Yes (mandatory) |  |
| 1. Truck mounted crane warranty duration min. 12 Months | Specify Months |  |
| 200 Hours whichever occurs first | Specify Kms(Yes (mandatory) |  |
| 1. Crane Free Service on Labour& Parts | Parts (Kms) |  |
|  | Labour (Kms) |  |
| 1. **MANUALS.** |  |  |
| 1. All literature in the English language | Yes (mandatory) |  |
| 1. Repair manuals, supplied | Yes (mandatory) |  |
| 1. Parts catalogue/microfiche/CD, supplied | Yes (mandatory) |  |
| 1. Operator’s handbook supplied | Yes |  |
| 1. Service schedule supplied | Yes |  |
| 1. Training included | Yes (mandatory) |  |
| 1. Crane test certificate provided | Yes (mandatory) |  |
|  |  |  |
| 1. **OTHER REQUIREMENTS.** |  |  |
| 1. Manufacturers’ authorization supplied when tendering. | Yes (mandatory) |  |
| 1. Evidence (in form of purchase documents) of minimum 10 units sold and serviced in Kenya. | Yes (Mandatory) |  |
| 1. Franchise Holders and dealers who own fully fledged workshop(s) equipment with adequate facilities. | Yes (Mandatory) |  |
| 1. Body construction and all fitments to conform to Kenya traffic act and to have a certificate from vehicle inspection center. | Yes (mandatory) |  |
| 1. Crane to be inspected by the KPLC Engineer prior to delivery. | Yes (mandatory) |  |
| 1. Crane to be fitted onto the supplied cab chassis truck. | Yes (mandatory) |  |
| 1. 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) |  |

|  |  |  |
| --- | --- | --- |
| **5-TON COILING & WINDING MACHINE C/W HYDRAULIC CUTTER AND MEASURING METER**  **QUANTITY: 5** (Five).  **Specifications:** No. KPLC-MECH-17-13-14  **Description:** 5-Ton coiling & Winding machine c/w automatic cut out measuring meter  **Tenderer’s name:………………………………………………………………………** | | |
|  | KPLC Requirements |  |
| Make | - |  |
| Model | - |  |
| Country Of Origin | - |  |
| Manufacturer's Literature/Brochures | Yes (mandatory) |  |
| And Specification Supplied | Yes (mandatory) |  |
|  |  |  |
| **1. GENERAL** |  |  |
| a) A standard production, 5.0 Ton coiling machine **c/w hydraulic cutter and measuring meter** of latest design in robust construction, current production and marketed in Kenya. | Yes (mandatory) |  |
| b) Supplied new. | Yes (mandatory) |  |
| c) Designed to export specifications suitable for winding from drum to drum or drum to coil. | Yes |  |
|  |  |  |
| **2. DESIGN AND DIMENSIONS.** |  |  |
| a) Drum range, max. 2500mm diameter x 1200mm wide | Yes(mandatory) |  |
| b) Drum weight, 5000Kgs | Yes(mandatory) |  |
| c) Machine dimensions, 6000mm length x 1,750mm wide x 1250mm high | specify |  |
| d) Machine weight,750Kgs | Yes (mandatory) |  |
| e) Designed to include hydraulic lifting on both sides | Yes (mandatory) |  |
| f) Operator controllable machine. | Yes |  |
| g) Forward and reverse speed controlling by AC inverter. | Yes |  |
| h) Automatic cut out measuring meter installed adequately | Yes (mandatory) |  |
| i) Hydraulic cutter for at least 50 mm cooper conductors and 100 mm aluminium power cables. | Yes (mandatory) |  |
| j) Machine fitted with suitable measuring meter of approx.0.3 % Accuracy, Proof of type test certificate issued from recognized testing laboratory/body. | Yes (mandatory) |  |
| k) Suitable cable guide for spreading the cable uniformly during winding | Yes (mandatory) |  |
|  |  |  |
| **3. WARRANTY & FREE SERVICE:** |  |  |
| a) Specimen of platform warranty to be submitted when tendering | Yes |  |
| b) Each platform supplied should carry a |  |  |
| statement of warranty and test certificate | Yes (mandatory) |  |
|  |  |  |
| **4. MANUALS:** |  |  |
| a) All literature in the English language | Yes (mandatory) |  |
| b) Maintenance & service manuals supplied | Yes (mandatory) |  |
| c) Operators handbook supplied | Yes (mandatory) |  |
| d) Service schedule supplied | Yes |  |
|  |  |  |
| **5. OTHER REQUIREMENTS.** |  |  |
| a) Firm's status: Franchise Holder/Dealer/Agent | Specify |  |
| b) Indicate name and physical addresses of all Dealers/Agents where Genuine Spares and back-up service can be obtained In At least one major KPLC depots (Nairobi, Mombasa, Kisumu, Nyeri, Nakuru and Eldoret). | Attach list - In At least four major KPLC depots (mandatory) |  |