

REQUIRED ASSETS:

NINE (9) TRUCK TRACTOR 6X4 < 28000 KG GVM < 75000 KG GCM WITH SLEEPER CAB, WHITE IN COLOUR.

NINE (9) 17 Tm GRAB CRANE TO BE FITTED ON THE REAR OF THE 6X4 TRUCK TRACTOR CAB, THE TRUCK TRACTOR MUST BE FITTED WITH LADDER THAT WILL BE LINKED TO THE CRANE. CRANE TO BE FITTED WITH TOP SEAT.

TWO (2) 6x4 RIGID TRUCK MEDIUM SIZE DAY CABIN 6 METER DECK SPACE, TWIST LOCK, JOST HOOK, WITH DROP SIDES, 1.8M HEADBOARD, SINGLE SLEEPER CAB 1.8M UPRIGHTS TO BE INSTALLED ON THE FRONT AND REAR OF THE TRUCK (WHITE IN COLOR).

TWO (2) 23 Tm CRANE WITH A 23 METER REACH CONSISTING OF 6 BOOMS, CRANE TO BE REMOTE CONTROLLED AND BUCKET, TO BE FITTED ON THE REAR OF THE 6X4 CHASSIS OF A 12 TON 6X4 RIGID TRUCK.

THREE (3) 14 METERS WITH GRAB BOX, DROP SIDES (2.4m L, 0.6m H), WITH 8 POCKETS ON EACH SIDE, 8 STEEL UPRIGHTS, TWIST LOCKS, 1.8 METER HEADBOARD AND A TOOLBOX (1200 L, 600 W, 600 D) mm SHOULD BE MOUNTED UNDER THE LOADBODY, GREY IN COLOUR.

Scope of Work	NINE (9) TRUCK TRACTOR 6X4 REQUIRED FOR CARRYING GOODS & EQUIPMENT OF UP TO 75000 KG GCM ON ALL TYPES OF ROAD SURFACES SHORT & LONG DISTANCE.
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1. Technical Specification - TRUCK TRACTOR 6X4

- Kw output: Minimum 320 Kw
- Torque: Minimum 2100 Nm
- Diesel Powered Turbo
- Permissible Front axle Rating "max 7500 Kg"
- Permissible Rear axle Rating "max 18000 Kg"
- D/T Rating: "56000kg to 75000Kg"
- Wheelbase: "max 4600 mm"
- Air Conditioner Factory fitted.
- Driver and passenger airbags
- Driver and passenger seatbelt reminder indicator / alarm
- Head light reminder indicator/alarm
- ABS brakes
- Power steering
- Two (2) emergency triangles
- Manufacturer approved Engine Protection Device
- Gearbox Fully Synchromesh and Semi-automatic with PTO for hydraulics operation
- Brakes to be air assisted or full air dual system.

- Trailer brake control
- Front Tyres :385/65R22.5
- Rear: 315/80R22.5
- Noise Level: not to exceed 75dB.
- Fitted towing/recovery facility on front.
- Reverse alarm / beeper.

Permitted Ancillaries

- Sleeper Cab with a single bed
- Heavy duty steel bumper with integrated protective grille for headlights
- Air conditioner
- Interlock hand brake system
- Working Lights
- Wheel Flaps: SABS 1496 specification (Jan 1999)
- Vehicle Cab must be white in colour, and chassis must be grey.
- 9 Kg Fire extinguisher and bracket
- Yellow reflective tape that must be fitted (Road traffic Act and Regulations No. 192A)
- Radio with Bluetooth
- The truck must be registered to transport Dangerous Goods.

Scope of Work	NINE (9) 17 Tm CRANE WITH GRAB AND ROTATOR TO BE MOUNTED ON THE REAR OF THE 6X4, TIMBER GRAB LOAD CAPACITY 4000 KG. <ul style="list-style-type: none"> • Crane application to be mounted on the mid-section of a 6X4 Truck Tractor behind the cab
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2. Technical Specification – 17 Tm Crane With Rotator and Grab

- Crane lifting capacity: At 4 m, it must lift 4250kg.
- +- Mass of standard crane: 2035kg
- +- minimum fitting space required: 1400mm
- Lifting moment 155.9kNm (15.9mt)
- Hydraulic outreach in B version (3-section hydraulic extension boom(s) 10,3m (B)
- Hydraulic outreach in B version (3-section hydraulic extension boom(s) 10,3m (B)
- Single linkage with Single Link Plus 15°
- Slewing moment 19.6kNm (2.0mt)
- Two hydraulic, laterally extendable stabilizer jacks
- Stabilizer spread 5.6m (R2X)
- Controls on each side of the crane

- Top seat + joystick controls + foot pedals + safety belt
- Light Switch on top seat
- Working light on secondary boom
- Single stabilizer control with operated check valves on the stabilizer rams
- Load holding valve on slewing, inner, outer and extension boom cylinder.
- High pressure filter - factory installed.
- Box level on both control panels
- Standard voltage 24V
- Crane accessories: 8t-load hook with roller bearing and shackle.
- Supply and fit 0,27m² Epsilon Timber Grab for small, short timber cranes: Load Capacity 4000 kg.
- Max Operational Pressure 25MPa
- Gripping Force 14,1 kN
- Dead Weight 170 kg
- Supply and fit 4,5ton Rotator, inclusive of 4,5ton Hanger Bracket + Pins, inclusive of Connecting Hoses
- Max Operational Pressure 320 bar
- Torque max 850 Nm
- Transverse Movement max 3000 Nm
- Axial Capacity 4500 kg
- Rotation - Endless
- Dead Weight 27,5 kg
- Supply and fit 500kg Manipulator
- Diameter $\phi 150$ - $\phi 440$
- Gripping min 100mm to 300mm
- Closing Force 11kN
- Aux Operational Pressure 200 bar.
- Dead Weight 235 kgs

Scope of Work	TWO (2) 6x4 RIGID TRUCK MEDIUM SIZE DAY CABIN 6 METER DECK SPACE, TWIST LOCK, JOST HOOK, WITH DROP SIDES, 1.8M HEADBOARD, SINGLE SLEEPER CAB 1.8M UPRIGHTS TO BE INSTALLED ON THE FRONT AND REAR OF THE TRUCK (WHITE IN COLOR).
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3. Technical Specification: Two (2) 6x4 Rigid truck medium size day cabin

- Kw output: Minimum 320 kw
- Torque: Minimum 2100 Nm
- Diesel Powered Turbo
- Permissible Front axle Rating “max 7500 kg”

- Permissible Rear axle Rating “max 18000 kg”
- D/T Rating: “56000kg to 75000Kg”
- Wheelbase: “max 4600 mm”
- Air Conditioner Factory fitted
- Driver and passenger airbags
- Driver and passenger seatbelt reminder indicator / alarm
- Head light reminder indicator/alarm
- ABS brakes
- Power steering
- Two emergency triangles
- Manufactures approved Engine Protection Device
- Chassis to facilitate the fitting of hydraulic crane at rear of truck (5-ton bucket cranes and 6 boom extension(22m).
- Gearbox Fully Synchromesh and Semi-automatic with PTO for hydraulics operation
- Brakes to be air assisted or full air dual system
- Trailer brake control
- Tyres: As per Manufacturer Specifications
- Fitted towing/recovery facility on front
- Reverse alarm / beeper

Permitted Ancillaries

- Air conditioner
- Interlock hand brake system
- Two toolbox each side
- Working Lights
- Wheel Flaps: SABS 1496 specification (Jan 1999)
- Pintle hook / Jots hook
- Yellow reflective tape that must be fitted. (Road traffic Act and Regulations No. 192A)
- Vehicle Cab must be white in colour, and chassis must be grey
- Power steering
- 9 Kg Fire extinguisher and bracket
- Yellow reflective tape that must be fitted (Road traffic Act and Regulations No. 192A)
- The truck must be registered to transport Dangerous Goods.

Scope of Work	<p>TWO (2) 23 Tm CRANE WITH A 23 METER REACH CONSISTING OF 6 BOOMS, CRANE TO BE REMOTE CONTROLLED AND BUCKET, TO BE FITTED ON THE REAR OF THE 6X4 CHASSIS OF A 12 TON 6X4 RIGID TRUCK.</p> <ul style="list-style-type: none"> • CRANE APPLICATION TO BE MOUNTED ON THE REAR OF A 6X4 12TON RIGID TRUCK
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- Crane lifting capacity: At 4 m, it must lift 6000kg
- +- mass of standard crane: 2895kg
- +- minimum fitting space required: 1100mm
- Lifting moment 20,7mt (203,0kNm) classification according to EN12999 H1/B3
- Hydraulic outreach in E version 16,7m (6-section hydraulic extension boom(s))
- Slewing range 400° ?
- Outriggers with hydraulic extension to both sides, including two hydraulic stabilizer jacks
- Stabilizer spread 6,6m (R3X)
- Individual stabilizer control with non-return valves on stabilizer cylinders
- Controls on each side of the crane
- 4-function radio remote control unit
- Oil tank 90ℓ fitted
- Double acting hydraulic cylinders
- Load hold valve on inner, outer and extension boom cylinder
- Standard 24V
- Dead centre over balance TOWI Do we still need this, what does TOWI stand for?
- Box level on both control positions
- CRANE ACCESSORIES
- 8t-load hook and shackle
- High pressure filter factory fitted
- Remote Control
- Hour counter with indication of service intervals factory fitted
- KTL cathodic dip painting technology
- Supply and fit 2-man Metal Workman Basket + pull-in Profile – max 250 kgs.

Scope of Work	THREE (3) 14 METERS WITH GRAB BOX, DROP SIDES (1200 L, 600 W, 600 D) mm, WITH 8 POCKETS ON EACH SIDE, 8 STEEL UPRIGHTS, TWIST LOCKS, 1.8 METER HEADBOARD AND A TOOLBOX (1.2m L, 0.6m W, 0.6m D) SHOULD BE MOUNTED UNDER THE LOADBODY, GREY IN COLOUR.
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- 14-meter Tri-axes flat box trailer with drop side to be pulled by 6X4 truck tractor with rear mounted crane.

- Trailer king pin must be situated so that the vehicle can turn without catching and the total combination not exceeding 18.5m
- 315/80R22.5 tyre size
- Heavy duty mechanical suspension
- ABS Brake system fitted with auto slack adjusters
- LED Lights SABS approved
- 1 x 9kg Fire extinguishers with heavy duty mounting bracket each side (2 total)
- Fit heavy duty dangerous goods placard holder
- Vehicle to be registered as dangerous goods carrier
- SABS approved reflecting tape fitted according to legislation
- 2 x toolboxes each side size (1200 L, 600 W, 600 D) mm
- One stepladder on left hand rear side
- 24-volt electrical connection
- Rear underrun bumper strong enough to be able to absorb impact
- Nine poles per side
- The headboard on pole trailers must be 1.8m high
- Steel uprights must be 2m long and seated 200mm into the pole pockets = 1.8m headboard
- Steel uprights must be 100mm in case of round uprights or 100mm x 100mm x 5mm square
- Pole pockets must be braced against trailer chassis to prevent tearing.
- Trailer must have grab box fitted for storage of pole grab 500mm in front of the trailer
- Heavy duty lashing hooks 500mm on each side of the deck
- Must have load binder ratchet 500mm apart

Signatories:

Developed by: Mavela Mswane

Maintenance Planner Technical

Signature: 

Date: 29/08/2025

Reviewed by: Mutshinyani Baloi

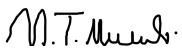
Technical Workshop Manager

Signature: 

Date: 2025/08/28

Approved by: Michael Themba Masondo

Technical HOD Logistics Services

Signature: 

Date: 28/08/2025