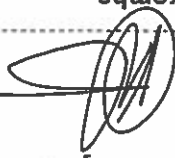
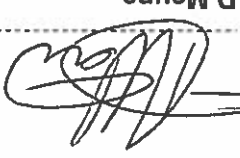
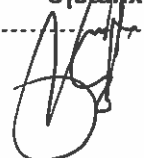



| | | |
|---|-----------|----------------------|
|  | Item List | Kusile Power Station |
|---|-----------|----------------------|

Title: Package 37C : C&I, Electrical and Mechanical Mobile Equipment List and Specifications
 Document Identifier: P37C
 Alternative Reference N/A

Item Group: Mobile Equipment
 Functional Area: Maintenance Department
 Revision: 1
 Total Pages: 33
 Next Review Date: October 2018
 Disclosure Classification: Controlled Disclosure

| | | | |
|--|---|--|--|
| Functional Responsibility  J Tshikomba Maintenance Group Manager Date: 2017/10/10 | Approved by  D Maune Technical Plant Manager Date: 2017/10/10 | Authorized by  B Nxumalo General Manager Date: 2017-10-11 | Supported by  A Mzobe Project Director (Acting) Date: 1/11/2017 |
|--|---|--|--|

| Workshop Building List | | |
|------------------------|---|---|
| No | Section | Gx Allocation |
| 1 | Section 18: AUXILIARY BAY FINISHING, UNIT 1 | ERI Turbo Gen Services (TGS) Workshop |
| 2 | Section 19: AUXILIARY BAY FINISHING, UNIT 2 | Electrical Units Workshop |
| 3 | Section 39: COAL STOCK YARD OFFICES | N/A |
| 4 | Section 42: WORKSHOP AND STORES BUILDING | Main Maintenance Workshop (Elec/Mech/C&I) |
| 5 | Section 45: AUXILIARY BAY FINISHING, UNIT 3 | Boiler Mechanical Workshop |
| 6 | Section 46: AUXILIARY BAY FINISHING, UNIT 4 | C&I Units Workshop |
| 7 | Section 57: AUXILIARY BAY FINISHING, UNIT 5 | HVAC & R Workshop |
| 8 | Section 58: AUXILIARY BAY FINISHING, UNIT 6 | Vacant |
| 9 | Section 70: ASH DUMP WORKSHOP | Diesel Equipment Service Workshop |
| 10 | Section 73: STEAM CLEANING FACILITY | TBA |
| 11 | Section 74: GARAGES | Diesel Equipment Service Workshop |
| 12 | Section 75: SANDBLAST BUILDING | Sanblasting Workshop |
| 13 | Section 76: MILL MAINTENANCE WORKSHOP | Mill Maintenance Workshop |
| 14 | Batch Plant | Gx Common temporary Workshop |

Project: Kusile Power Station
 Package: 37 C
 Workshop: Main Workshop & Stores Building
 Building: Main Workshop & Stores Building

| Grouping | Item No | Item | Category | Building | QTY | Specification | Drawing No. | Classification | Comments |
|----------|---------|--|------------------|--|-----|---|-------------|----------------------|---|
| C1 | 1 | Forklift 10,000kg | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | |
| | 2 | Forklift 3,000kg | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | Only 1 for workshop |
| | 3 | Forklift 3,000kg | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | Only 1 for stores |
| | 4 | Forklift 3,000kg | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | Only 1 for chemical services, WTP and Operating |
| | 5 | Telescopic Forklift/telehandler 5,120m | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | |
| | 6 | Articulated platform | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | |
| | 7 | Std Steel Loader | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | SPECIFICATIONS ATTACHED | N/A | Compact/ Light duty | |
| | 8 | Mobile crane 20 ton | Mobile Equipment | Section 76: MILL MAINTENANCE WORKSHOP | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | |
| | 9 | Submersible Pump | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | 2600 Series Submersible Pump, technical data: 220V single phase, Rated power (kW) 1.3, Rated Current (A) 7.2, Weight (kg) 21.5, max height (mm) 594, max width (mm) 195, Discharge (inch) 2, strainer hole (mm) 6x13.5 alt: 40x18, warm liquid 70 degrees, Max. flow: 12 l/s; Max. head: 18m, CW Flexible hose | N/A | Compact/ Light duty | |
| | 10 | Submersible Pump | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 1 | Maximum submergence - 20 m, Protection class - IP 68 Max. temperature of pumped medium at max. power input and continuous duty - 70°C Max. medium density - 1100 kg/m ³ pH of the pumped - medium 5-8 Strainer hole - 8 x 34 mm Max number of starts - 30/hour Motor rating P2 - 35.0 kw Speed - 2930 rpm CW Flexible hose | N/A | Compact/ Light duty | |
| | 11 | Hydraulic Floor crane 2 ton | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | Capacity : 2 ton Max. Lift height 2360mm Boom Range: 1050-1590mm Industrial Steel panel 2 tray trolley Steel panel rays 20mm raised edges High capacity industrial design Fully welded angle and tube construction Length of tray 1000mm Width of tray 600mm | N/A | Compact/ Light duty | |
| | 12 | Picking trolleys | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 4 | | N/A | Compact/ Light duty | |

| Grouping | Item No | Item | Category | Building | QTY | Specification | Drawing No. | Classification | Comments |
|----------|---------|--|------------------|--|-----|--|--|----------------------|--|
| C3 | 13 | Pallet Jack - Low profile | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 4 | Capacity (kg) 2000. Lowered fork height h1(mm) 65. Total lift height h2(mm) 160. Fork length L1(mm) 1000. Width over the forks W1(mm) 885. Hand operated hydraulic jack. Fork wheel Birm D 64 1400 - 2000kg | N/A | Compact/ Light duty | |
| | 14 | Pallet Stackler | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | Max Lift Height - 3900 Electric | N/A | Compact/ Light duty | |
| | 15 | Trolley ladder | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | Ladder with wide step & railings. 4 wheels, chequered platform at top: Sides: 2½" x 1½" Approx. Steps: 2½" x 1½" Approx. Height: 5m | N/A | Compact/ Light duty | |
| | 16 | Lighting unit mobile - floodlight | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 6 | SPECIFICATIONS ATTACHED | N/A | Compact/ Light duty | |
| | 17 | turnable 4 wheel trailers M&D | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 12 | S.W.L = 750kg LxWxH = 2000x1000x512mm Weight = 106kg | N/A | Compact/ Light duty | |
| | 18 | turnable 4 wheel trailers EM | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 8 | S.W.L = 750kg LxWxH = 2000x1000x512mm Weight = 101kg | N/A | Compact/ Light duty | |
| | 19 | turnable 4 wheel trailers CAI | Mobile Equipment | Section 18: AUXILIARY BAY. UNIT 1 | 6 | LxWxH = 2000x1000x512mm S.W.L = 750kg Weight = 109kg | N/A | Compact/ Light duty | |
| | 20 | Heavy duty truck - 15 ton with 7.4 ton mounted crane | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING Water Treatment Bldg (under racks) | 1 | SPECIFICATIONS ATTACHED | N/A | Heavy Duty Machinery | |
| | 21 | Host 8 & Crawler | Mobile Equipment | Ash Dump Dam Pump Bldg | 2 | 2Tons, 4.5approx Lifting Height (m). Manual Control, Chain host. | No drawing B&V Dwg No. G2815 or 0.90/2415 | Compact/ Light duty | KKS Tags: 0 TUSU10 AE001-M01 (host motor) |
| | 22 | Host 8 & Crawler | Mobile Equipment | | 2 | 2Tons, 5.6approx Lifting Height (m). Manual Control, Chain host. | | Compact/ Light duty | 0 TUSU10 AE001-M02 |
| C4 | 23 | Host 8 & Crawler | Mobile Equipment | Daily Issue Oil Store | 11 | 2Tons, 3.4approx Lifting Height (m). Electrical control, Chain host. | 0.90/24368 | Compact/ Light duty | 0 TUSU10 AE001-M02 |
| | 24 | Host 8 & Crawler | Mobile Equipment | West Aux Cooling Tower Equip Area | 2 | 8Tons, 7.7approx Lifting Height (m). Manual Control, Chain host. | B&V Dwg No. G2801A | Compact/ Light duty | 0 TSMAD1 AE001 AND 0 TSMAD1 AE002 |
| | 25 | Host 8 & Crawler | Mobile Equipment | West Aux Cooling Tower - Fan Dwg 0.90/26808 | 1 | 2Tons, 25.4approx Lifting Height (m). Electrical Control, Rope host. | B&V Dwg No. G2801A/D 0.90/26808 | Compact/ Light duty | 0 TSMAD1 AE003 |
| | 26 | Host 8 & Crawler | Mobile Equipment | West Aux Cooling Tower - Screens | 1 | 1Tons, 15.4approx Lifting Height (m). Electric Radio Control. See 82.0801.05-01022. Rope host. | 82.0801.05-0200110.90/26808 | Compact/ Light duty | 0 TSMAD1 AE004 |
| | 27 | Host 8 & Crawler | Mobile Equipment | East Aux Cooling Tower Equip Area | 2 | 8Tons, 7.7approx Lifting Height (m). Manual Control, Chain host. | 82.0801.05-0000810.90/26792 | Compact/ Light duty | 0 TSMAD1 AE001 AND 0 TSMAD1 AE002 |
| | 28 | Host 8 & Crawler | Mobile Equipment | East Aux Cooling Tower - Fan | 1 | 2Tons, 25.4approx Lifting Height (m). Electrical Control. See 82.0801.05-01022. Rope host. | B&V Dwg No. G2801A/Drg 0.90/26819 | Compact/ Light duty | 0 TSMAD1 AE003 |
| | 29 | Host 8 & Crawler | Mobile Equipment | East Aux Cooling Tower - Screens | 2 | 1Tons, 15.4approx Lifting Height (m). Electric Radio Control. See 82.0801.05-01022. Rope host. | 82.0801.05-0201010.90/26819 | Compact/ Light duty | KKS Tags: 0 TSMAD1 AE004 |
| | 30 | Host 8 & Crawler | Mobile Equipment | T3 to T4 Transfer Tower West of Unit 1 | 1 | 5Tons, 62.4approx Lifting Height (m). Electrical Control, Rope host. | 82.0801.05-0000410.90/26721 | Compact/ Light duty | KKS Tags: 01UEB01AE005 01UEB01AE004 01UEB01AE006 |
| | 31 | Host 8 & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 1 | 1 | 5Tons, 11.4approx Lifting Height (m). Electrical Control, Rope host. | 70.0200.5-02546 | Compact/ Light duty | KKS Tags: 10UED01AE001 |

| Grouping | Item No | Item | Category | Building | QTY | Specification | Drawing No. | Classification | Comments |
|----------|---------|----------------|------------------|--|-----|---|-----------------|---------------------|--|
| C5 | 32 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 1 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Rope host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 10UEED01AE002 |
| | 33 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 1 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 10UEED01AE003 |
| | 34 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 2 | 1 | 5Tons, 11Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02415 | Compact/ Light duty | KKS Tags: 20UEED01AE001 |
| | 35 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 2 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 70.0200 5-02420 | Compact/ Light duty | KKS Tags: 20UEED01AE002 |
| | 36 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 2 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02420 | Compact/ Light duty | KKS Tags: 20UEED01AE003 |
| | 37 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 3 | 1 | 5Tons, 11Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02415 | Compact/ Light duty | KKS Tags: 30UEED01AE001 |
| | 38 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 3 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 30UEED01AE002 |
| | 39 | Host & Crawler | Mobile Equipment | T4 to T5 Transfer Tower Unit 3 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 30UEED01AE003 |
| | 40 | Host & Crawler | Mobile Equipment | T3 to T4 Transfer Tower West of Unit 4 | 1 | 5Tons, 62Approx Lifting Height (m), Electrical Control, Rope host | no drawing | Compact/ Light duty | KKS Tags: 02UEED01AE004 02UEED01AE005 02UEED01AE003 |
| | 41 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 4 | 1 | 5Tons, 11Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02546 | Compact/ Light duty | KKS Tags: 40UEED01AE001 |
| | 42 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 4 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 40UEED01AE002 |
| | 43 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 4 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 40UEED01AE003 |
| | 44 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 5 | 1 | 5Tons, 11Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02415 | Compact/ Light duty | KKS Tags: 50UEED01AE001 |
| | 45 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 5 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 70.0200 5-02420 | Compact/ Light duty | KKS Tags: 50UEED01AE002 |
| | 46 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 5 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02420 | Compact/ Light duty | KKS Tags: 50UEED01AE003 |
| | 47 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 6 | 1 | 5Tons, 11Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02415 | Compact/ Light duty | KKS Tags: 60UEED01AE001 |
| | 48 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 6 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 60UEED01AE002 |
| | 49 | Host & Crawler | Mobile Equipment | T4 to T6 Transfer Tower Unit 6 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 70.0200 5-02432 | Compact/ Light duty | KKS Tags: 60UEED01AE003 |
| | 50 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 1 | 2 | 5Tons, 10Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 10UEED02AE001 |
| | 51 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 1 | 1 | 5Tons, 59Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 20UEED02AE002 |
| | 52 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 2 | 2 | 5Tons, 10Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 20UEED02AE001 |
| | 53 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 2 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 20UEED02AE002 |
| | 54 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 3 | 2 | 5Tons, 10Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 30UEED02AE001 |
| | 55 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 3 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 30UEED02AE002 |
| | 56 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 4 | 2 | 5Tons, 10Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 40UEED02AE001 |
| | 57 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 4 | 1 | 5Tons, 54Approx Lifting Height (m), Manual Control, Chain host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 40UEED02AE002 |
| | 58 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 5 | 2 | 5Tons, 10Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 50UEED02AE001 |
| | 59 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 5 | 1 | 5Tons, 54Approx Lifting Height (m), Electrical Control, Rope host | 0.90497 rev 1 | Compact/ Light duty | KKS Tags: 50UEED02AE002 |

| Grouping | Item No | Item | Category | Building | QTY | Specification | Drawing No. | Classification | Comments |
|----------|---------|------------------------|------------------|--|-----|--|-------------------|----------------------|--|
| C6 | 80 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 6 | 2 | 5Tons, 10Approx Lifting Height (m), Electrical Control, Rope host | 0.90/497 rev 1 | Compact/ Light duty | KKS Tag: 80UED002AER01 |
| | 61 | Host & Crawler | Mobile Equipment | Above Coal Bunkers Unit 6 | 1 | 5Tons, 36Approx Lifting Height (m), Electrical Control, Rope host | 0.90/497 rev 1 | Compact/ Light duty | KKS Tag: 80UED002AER02 |
| | 62 | Host & Crawler | Mobile Equipment | West Emergency Quench Pump Building | 3 | 2Tons, 6.5Approx Lifting Height (m), Manual Control, Chain host | BAV Dwg No. G2617 | Compact/ Light duty | 0 2UQA01 AER01 ,0 2UQA01 AER02 ,0 2UQA01 AER03 |
| | 63 | Host & Crawler | Mobile Equipment | East Emergency Quench Pump Building | 3 | 2Tons, 6.5Approx Lifting Height (m), Manual Control, Chain host | BAV Dwg No. G2618 | Compact/ Light duty | 0 1UQA01 AER01 ,0 1UQA01 AER02 ,0 1UQA01 AER03 |
| | 84 | Mobile Compressor | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | SPECIFICATIONS ATTACHED | N/A | Compact/ Light duty | |
| | 65 | Mobile Diesel Pump | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | 100mm Discharge diameter, Theory: Centrifugal Pump, Structure: Single-stage Pump, Pressure: Low Pressure | N/A | Compact/ Light duty | |
| | 66 | Mobile Power Generator | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | 100 kVA, 400 V, and 110 Amps, 50Hz | N/A | Heavy Duty Machinery | |
| | 67 | Mobile power generator | Mobile Equipment | Section 42: WORKSHOP AND STORES BUILDING | 2 | 20 kVA, 400V, and 30 Amps, 50Hz | N/A | Heavy Duty Machinery | |

Annexure A3

| Job Description | | 10 Ton Semi-Industrial Forklift | | Tendering Service Provider to complete | | Eskom technical team to complete | |
|---|--|---------------------------------|--|--|---|----------------------------------|--|
| Specification (ISO9001) Em3 | Specify | | | Comply | Provide reason for Comply or non-compliance | Eskom technical evaluation | |
| Capacity Range | 10 000kg | | | | | | |
| Load Center / Distance | 600mm | | | | | | |
| Diesel Powered (Normally aspirated or Turbo) | Diesel | | | | | | |
| Engine type | Specify | | | | | | |
| Rated power in Kw | 80 Kw to 90 Kw | | | | | | |
| Rated torque in Nm | 400 Nm | | | | | | |
| Displacement | 6494cc | | | | | | |
| Rated rotated speed | 2400 Rpm | | | | | | |
| Number of cylinders | 6 cylinders | | | | | | |
| Fuel consumption | 220 g/Kw-h | | | | | | |
| Fuel tank capacity | 140 L | | | | | | |
| Service weight | 12500 kg | | | | | | |
| Tyre size | Manufacturer spec | | | | | | |
| Front and rear tyres | Solid tyres | | | | | | |
| Wheel number front | 4 Tyres | | | | | | |
| Wheel number rear | 2 Tyres | | | | | | |
| Mast obliquity, forward and backward in degree | 6° and 12° | | | | | | |
| Overall Length (without fork) | 3900 mm | | | | | | |
| Overall width | 2165 mm | | | | | | |
| Height of the back rest | 1380 mm | | | | | | |
| Maximum lifting height | 4000 mm | | | | | | |
| Height of closed cabin | 2600 mm | | | | | | |
| Closed cabin | Yes Specify | | | | | | |
| Transparent roof with safety glass | Yes Specify | | | | | | |
| Unobstructed view in all directions | Yes Specify | | | | | | |
| Easy operation control system | Yes Specify | | | | | | |
| Drivers cabin with all safety features | Yes Specify | | | | | | |
| Power steering with 100% standstill steering | Yes Specify | | | | | | |
| SABS approved Seat belt with warning indicator | Yes Specify | | | | | | |
| Full suspension seat with backrest and horizontal slide travel adjustment | Yes Specify | | | | | | |
| Two speed windshield wipers | Yes Specify | | | | | | |
| Two rear view mirrors | Yes Specify | | | | | | |
| Rotating beacon LED light | Yes Specify | | | | | | |
| Headlights | Yes Specify | | | | | | |
| Indicator lights | Yes Specify | | | | | | |
| Tail and stop lights | Yes Specify | | | | | | |
| Front and rear working lights | Yes Specify | | | | | | |
| Revers alarm | Yes Specify | | | | | | |
| Horn | Yes Specify | | | | | | |
| Non slip floor mat | Yes Specify | | | | | | |
| Quick response and high sensivity hydraulic brake system | Yes Specify | | | | | | |
| Ground clearance with load of mast | 200 mm | | | | | | |
| Minimum turning radius (outer) | 3950 mm | | | | | | |
| Travel speed with load | 26 km/h | | | | | | |
| Travel speed without load | 28 km/h | | | | | | |
| Lifting speed with load | 310 mm/s | | | | | | |
| Lifting speed without load | 410 mm/s | | | | | | |
| Lowering speed with load | 400 mm/s | | | | | | |
| Lowering speed without load | 375 mm/s | | | | | | |
| Climbing ability | 21.2% | | | | | | |
| Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | | | | |
| Dealer network | Specify | | | | | | |
| OEM Service Level Agreement | Specify | | | | | | |
| Warranty on structure | 12 Month | | | | | | |
| Warranty on hydraulics | 12 Month | | | | | | |
| Unit to be register to drive onroad | Must comply to Traffic Act and Regulations | | | | | | |
| Acceptance / Acceptance | | | | | | | |
| Name of Evaluator : | | | | | | | |
| Name of Verifier | | | | | | | |

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at

Annexure A3

Tendering Service Provider to
Eskom technical team to complete

| Job Description | Fork Lift 03 | Comply | Provide reason for Comply or non-compliance | Eskom technical evaluation comments |
|--|---|--------|---|-------------------------------------|
| Specification (ISO9001) Er3 | Specify | | | |
| Loading Capacity at Rated Load center | 3000kg | | | |
| Load Center / Distance | 500mm | | | |
| Diesel Powered (Normally aspirated or Turbo) | Diesel | | | |
| Engine Model | | | | |
| Rated power in Kw | 40Kw | | | |
| Rated torque in Nm | 186Nm | | | |
| Displacement | 2488cc | | | |
| Number of cylinders | 4 Cylinders | | | |
| Fuel consumption | Specify | | | |
| Fuel tank capacity | 66 Liters | | | |
| Service weight | 4260kg | | | |
| Tyre | Pneumatic | | | |
| Front tyres | 28x9-15-12PR | | | |
| Rear Tyres | 8-50-10-10PR | | | |
| Wheel number front | Two | | | |
| Wheel number rear | Two | | | |
| Mast Tilt angle forward in degree | 6 degree | | | |
| Mast Tilt angle backward in degree | 12 degree | | | |
| Overall Length (without fork) | 2725mm | | | |
| Overall width minimum | 1275mm | | | |
| Height of the Extended Mast with back rest | 4085mm | | | |
| Maximum lifting height | 3000mm | | | |
| Height of closed cabin | 2250mm | | | |
| Closed cabin | Specify | | | |
| Transparent roof with safety glass | Specify | | | |
| Unobstructed view in all directions | Specify | | | |
| Easy operation control system | Specify | | | |
| Drivers cabin with all safety features | Specify | | | |
| Power steering with 100% standstill steering | Specify | | | |
| SABS approved Seat belt with warning indicator | Specify | | | |
| Full suspension seat with backrest and horizontal slide travel adjustment | Specify | | | |
| Two speed windshield wipers | Specify | | | |
| Two rear view mirrors | Specify | | | |
| Rotating beacon LED light | Specify | | | |
| Headlights | Specify | | | |
| Indicator lights | Specify | | | |
| Tail and stop lights | Specify | | | |
| Front and rear working lights | Specify | | | |
| Revers alarm beeper | Specify | | | |
| Horn | Specify | | | |
| Non slip floor mat | Specify | | | |
| Quick response and high sensity hydraulic brake system | Specify | | | |
| Ground clearance with load of mast | Specify | | | |
| Minimum turning radius (outer) | 1850mm | | | |
| Travel speed with load | 18km/h | | | |
| Travel speed without load | 19.5km/h | | | |
| Lifting speed with load | 470mm/s | | | |
| Lifting speed without load | 515mm/s | | | |
| Lowering speed with load | 530mm/s | | | |
| Lowering speed without load | 500mm/s | | | |
| Gradeability | 12 degree at 5km/h | | | |
| National service Agents | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | |
| National service Agents | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | |
| Dealer network | | | | |
| OEM Service Level Agreement | Specify | | | |
| Warranty on structure | 12 Month | | | |
| Warranty on hydraulics | 12 Month | | | |
| Unit to be register to drive onroad | Must comply to Traffic Act and Regulations | | | |
| Acceptance / Acceptance | | | | |
| Name of Evaluator : | | | | |
| Name of Verifier | | | | |
| Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed | | | | |

| Job Description | | 12. Tonn Telescopic rough terrain 4x4 Forklift | | Comply | Provide reason for Comply or non-compliance | Escom technical team to complete |
|---|--|--|--|--------|---|----------------------------------|
| Specification (ISO9001, Em3) | Specify | | | | | |
| Diesel Powered (Normally aspirated or Turbo) | Turbo Diesel | | | | | |
| Engine Model | Specify | | | | | |
| Rated power in Kw | 129KW | | | | | |
| Rated torque in Nm | 675Nm | | | | | |
| Fuel consumption | Specify | | | | | |
| Fuel tank capacity | 200 Liters | | | | | |
| Traction | 4x4 | | | | | |
| Steering | 4 Wheel Steering | | | | | |
| Steering | Crab Steering | | | | | |
| Steering | 2 Front steering wheels | | | | | |
| Front tyres | 17 5-25 | | | | | |
| Rear tyres | 17 5-26 | | | | | |
| Wheelbase | 3300mm | | | | | |
| Height of closed cabin | 2900mm | | | | | |
| Service weight | 15900kg | | | | | |
| Overall width | 2400mm | | | | | |
| Overall height | 2900mm | | | | | |
| Turning radius (Outside wheels) | 5868mm | | | | | |
| Overall length | 7750mm | | | | | |
| Ground clearance | 445mm | | | | | |
| Drawbar pull | 9000kg | | | | | |
| Enclosed Cab | To be standard | | | | | |
| Air conditioning | To be standard | | | | | |
| Transparent roof with safety glass | To be standard | | | | | |
| Unobstructed view in all directions | To be standard | | | | | |
| Easy operation control system | To be standard | | | | | |
| Drivers cabin with all safety features | To be standard | | | | | |
| Power steering with 100% standstill steering | To be standard | | | | | |
| Full suspension seat with backrest and horizontal slide travel | To be standard | | | | | |
| adjustment (Comfort seat) | To be standard | | | | | |
| Two speed windshield wipers | To be standard | | | | | |
| Two rear view mirrors | To be standard | | | | | |
| Rotating beacon LED lights x 3 | To be standard | | | | | |
| Headlights | To be standard | | | | | |
| Indicator lights | To be standard | | | | | |
| Tail and stop lights | To be standard | | | | | |
| Front and rear working lights | To be standard | | | | | |
| Revers alarm beeper | To be standard | | | | | |
| Horn | To be standard | | | | | |
| Non slip floor mat | To be standard | | | | | |
| Service brake system | Hydraulic | | | | | |
| Loading Capacity at Rated Load center | 12000kg | | | | | |
| Load Center / Distance | 600mm | | | | | |
| Distance from load bearing surface to center of front axle. | 1115mm | | | | | |
| Fork Tilt angle upward in degree | 20 degree | | | | | |
| Fork Tilt angle downward in degree | 115 degree | | | | | |
| Overall Length (without fork) | 5950mm | | | | | |
| Overall Length of fork arms | 1800mm | | | | | |
| Overall width of fork arms | 200mm | | | | | |
| Overall thickness of fork arms | 70mm | | | | | |
| Overall width of fork lift minimum | 1430mm | | | | | |
| Maximum lifting height | 9062mm | | | | | |
| Maximum Forward reach | 4570mm | | | | | |
| Grade ability: Full load/no load: (tan8%) | 36 / 22 | | | | | |
| Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | | | |
| National service Agents | | | | | | |
| Dealer network | | | | | | |
| OEM Service Level Agreement | Specify | | | | | |
| Warranty on structure | 12 Month | | | | | |
| Warranty on hydraulics | 12 Month | | | | | |
| Unit to be register to drive on road | Must comply to Traffic Act and Regulations | | | | | |
| Acceptance / Acceptance | | | | | | |
| Name of Evaluator : | | | | | | |
| Name of Verifier | | | | | | |
| Signature : | | | | | | |
| Signature : | | | | | | |

Annexure A3

| Tendering Service Provider to complete | | | Eskom technical team to complete | |
|--|--|---|----------------------------------|---|
| Vehicle Job Description | The lifting capacity correspond to EN 13000:2004 | 50 Ton mobile rough terrain crane required for the lifting of goods, equipment in all work applications | Comply | Provide reason for Comply or non-compliance |
| | | | | |
| Boom | Fully extended length Fully retracted length Extension speed Elevation speed | 10.7 m to 34 metre four-section sequenced synchronized full power boom. Maximum up height 34.7 metres 10.7 Metres 24.0 metres in 7.2 S 20° in 60° in 27 S | | |
| | | | | |
| Boom Nose | Four sheave, 4-position (0.8°, + 30°, + 60°, + 80°) pivoting boom nose for minimizing head space requirements. Lowers head height 0.50m when nose is pivoted fully forward. | Removable auxiliary boom nose with removable pin type rope guard. | | |
| | | | | |
| Boom Elevation | One double-acting hydraulic cylinder with integral holding valve. Boom angle from -3° to +78°. | It must provide an audible and visual warning to the crane operator when activated and it must disengage all crane functions whose movement can cause two-blocking. | | |
| | | | | |
| Anti-Tow block device | A simple effective and easy to use load indicating system. This system must be used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. | The display panel displays the hook load and warns the operator when a pre-set load capacity is exceeded. | | |
| | | | | |
| Rated Capacity Limiter (RCL) | The warning is by a flashing light on the display panel and must be in conjunction with the load display panel (receiver). | There must be a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel. | | |
| | | | | |
| Load Moment Indicator (LMI) | It must be similar to the load indicator but must stop the telescope out and boom lift down function when a load limit is exceeded. | Uses a similar display panel with the addition of displaying boom angle and boom length read out on the panel. | | |
| | | | | |
| Functions that are displayed | Digital display of boom angle, boom length, boom radius, capacity. System to allow for operator input to set the limits based on load chart. Displays colour coded light bar and audible alarm with function cut-out if load exceeds entered parameters. | Moment as percentage. Number of parts of line of rope. Boom angle. Boom length. Load radius. Crutgers position. On line indicator. Actual hook load. Permissible load. Boom position indicator. Potential hook height. Swing angle. Main hydraulic oil pressure. Jib length and jib offset angle (only when jib operation) | | |
| | | | | |
| Swing | Three main pumps Maximum speed 2.7 rpm. Single position mechanical house lock, operated from cab | Ball bearing swing circle with 360° continuous rotation. Planetary swing drive with foot applied multi-disc wet brake Equipped with locked/released swing brake. Single position mechanical house lock, operated from cab | | |
| | | | | |
| Hydraulic System | Carrier mounted oil cooler with thermostatically controlled hydraulic motor driven guard against side impact damage 560 Litre hydraulic reservoirs with sight level gauge and steel side plating to return line filter with full flow by-pass protection and service indicator dash mounted, pilot pressure hydraulic jockeylocks. Two section pressure compensated valve bank, chassis mounted, operated via | System pressure test ports. Carrier mounted oil cooler with thermostatically controlled hydraulic motor driven guard against side impact damage 560 Litre hydraulic reservoirs with sight level gauge and steel side plating to return line filter with full flow by-pass protection and service indicator dash mounted, pilot pressure hydraulic jockeylocks. Two section pressure compensated valve bank, chassis mounted, operated via | | |
| | | | | |
| Hoist Specifications | Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting Equipped with automatic brake and counter balance valve Maximum single line-pull 1" layer: 6600 kg Single line speed: 118 m/min Wire rope. Split-resistant type Diameter x length: 19mm x 110m | Main hoist: 152 metre. Auxiliary hoist: 152 metre. Maximum rope stowage: 256 metre High strength alloy steel constructed with integral outrigger housings. Front and rear tie-down lugs suitable to hold the load of 13500 kg in motion. | | |
| | | | | |
| Rope length and construction | Main hoist: 152 metre. Auxiliary hoist: 152 metre. Maximum rope stowage: 256 metre | High strength alloy steel constructed with integral outrigger housings. Front and rear tie-down lugs suitable to hold the load of 13500 kg in motion. | | |
| | | | | |
| Carrier | Maximum width 2.44 metres. Maximum height 3 metres. | Hydraulically operated H-type outriggers Each outrigger controlled simultaneously or independently from the cab Equipped with sight level gauge Floats mounted integrally with the jacks retract to within vehicle width All cylinders fitted with pilot check valves Crane operation with different extended length of each outrigger Equipped with extension width deflector for each outrigger Fully extended width: 7000mm Middle extended width: 6500mm Minimum extended width: 2480mm Float size in diameter: 500mm | | |
| | | | | |
| Outriggers | Maximum width 2.44 metres. Maximum height 3 metres. | Hydraulically operated H-type outriggers Each outrigger controlled simultaneously or independently from the cab Equipped with sight level gauge Floats mounted integrally with the jacks retract to within vehicle width All cylinders fitted with pilot check valves Crane operation with different extended length of each outrigger Equipped with extension width deflector for each outrigger Fully extended width: 7000mm Middle extended width: 6500mm Minimum extended width: 2480mm Float size in diameter: 500mm | | |
| | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|---|---|---|---|---|---|---|---|--|-------|------------------|----------------------|------------------------------|---------|-------|------------|--------------------|--------|---------------|------------------------------------|
| Annexure A3 | Tendering Service Provider to complete | Esform technical team to complete | Vehicle Job Description | Boom | Boom Nose | Boom Elevation | Anti-Tow block device | Load Indicator | Rated Capacity Limiter (RCL) | Load Moment Indicator (LMI) | Swing | Hydraulic System | Hoist Specifications | Rope length and construction | Carrier | Frame | Outriggers | Outrigger Controls | Engine | Counterweight | Operators Enclosed control station |
| | Comply | Provide reason for Comply or non-compliance | 80 Ton mobile rough terrain crane required for the lifting of goods, equipment of up to 200 kg. With a hydraulic horizontal reach of 11.4 metres and hydraulic vertical reach of 45.7 metres. | Five-section sequenced synchronized full power boom with A and B mode | Quick reeve boom head and hook block. Five sheave, 4-position (0°, + 60°, + 30°, + 60°) pivoting boom nose for minimizing head space requirements. Lower head height 0.60m when nose is pivoted fully forward. | Removable auxiliary boom nose with removable pin type rope guard. One double acting hydraulic cylinder with integral holding valve. Elevation: -3° to 80°. It must provide an audible and visual warning to the crane operator when activated and it must disengage all crane functions whose movement can cause two-blocking. | A simple effective and easy to use load indicating system. This system must be used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. The display panel displays the hook load and warns the operator when a pre-set load capacity is exceeded. The warning is by a flashing light on the display panel and must be in conjunction with the load display panel (receiver). There must be a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel. It must be similar to the load indicator but must stop the telescope out and boom lift down function when a load limit is exceeded. Uses a similar display panel with the addition of displaying boom angle and boom length read outs on the panel. Digital display of boom angle, boom length, boom radius, capacity. System to allow for operator input to set the limits based on load chart. Displays colour coded light bar and audible alarm with function cut-out if load exceeds entered parameters. | Ball bearing swing circle with 360° continuous rotation. Planetary swing drive with foot applied multi-disc wet brake Spring applied, hydraulically released awning brake Single position mechanical house lock, operated from cab Maximum speed 2.5 rpm. Variable displacement piston pump and piggyback gear pump. Combined flow rating: 503 Lpm. Maximum system operating pressure: 4000 psi or 277.7 bar. Three section pressure compensated valve bank, chassis mounted, operated via dash mounted pilot pressure hydraulic jacks. Return line filter with full flow by-pass protection and service indicator. 959 Live hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage. Carrier mounted oil cooler with thermostatically controlled hydraulic motor driven fan and air to oil. System pressure test ports. | Piston motor drive with spring applied hydraulic released brake. Two speed power up and down. Maximum single line-pull 1" layer, 9185 kg. Maximum single line-pull 3rd layer, 7715 kg. Maximum single line-pull 5th layer, 6650 kg. Maximum single line speed 156 m/min. Maximum permissible single line-pull 7620 kg with 6x37 class rope. Maximum permissible single line-pull 7620 kg with 35x7 class rope. Main hoist: 182 metre. Auxiliary hoist: 182 metre. Maximum rope stowage: 258 metre. High strength alloy steel constructed with integral outrigger housings. Front and rear tie-down lugs suitable to hold the load of 13600 kg in motion. Maximum width 2.44 metres. Maximum height 3 metres. 2-stage hydraulic telescoping beam with vertical jack at the four corners provides extend and down and retracted and down tilting capacities. Integral holding valves on both beam and jack. | Three switch operations mounted on dash panel. One 3-position rocker switch to select all beams / jacks, left beam jacks only or right beam jacks only. Separate 4-way toggle switch to activate beams out or in and jacks down and up. Level bubble indicator located inside operators compartment. Outrigger foot pad size 2.92mm x 2.92mm. Independent outrigger controls must be available to work in confined spaces. Outrigger motion alarm Outrigger Engine with 205 kW at 2500 rpm and 879 Nm at 1500 rpm Engine must be service and maintained through local dealer network. 8979 kg hydraulically installed and removed Enclosed control station 20° lit, full-vision, all-steel fabricated with acoustic lining and fitted safety glass. Tilt/scoping steering wheel with various controls incorporated into the steering Column Hinged full door with a safety sliding glass | | | | | | | | | | | |
| | Esform technical evaluation | Esform technical team to complete | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|--|--------|---|-------------------------------------|---|
| Vehicle Job Description | 80 Ton mobile rough terrain crane required for the lifting of rods, equipment of up to 2000 kg. With a hydraulic horizontal reach of 11.4 metres and hydraulic vertical reach of 46.7 metres. | Comply | Provide reason for Comply or non-compliance | Eskom technical evaluation comments | Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective |
| | | | | | |
| Fuel Tank and capacity | Minimum of 280 litre fuel tank closed up with steel side plate to guard against side impact 12 volt starting and lighting, battery disconnect and can bus diagnostic system 63 amp alternator | | | | |
| | | | | | |
| Lights | Recessed mounted lights, head lights, rear working lights and turn signals lights. 4x4 drive: Front and rear axle drive with planetary hubs and limited slip differential. | | | | |
| | | | | | |
| 4-wheel drive | Fully independent power steering. Front: full hydraulic steering wheel controlled. Rear: full hydraulic switch controlled. | | | | |
| | | | | | |
| Steering system | Provides infinite variations of 4 main steering modes: front only, Rear only, crab and coordinated. Front 2-wheel, 4-wheel coordinated and crab steer w/electronic self-alignment. | | | | |
| | | | | | |
| Transmission | Full range-shift with 6 forward and 6 reverse speeds. Front axle disconnect for 4x2 travel Rear: Rigid mounted to frame. | | | | |
| | | | | | |
| Suspension | Rear: Provides 3° oscillations for use on semi-rough terrain. Axle lock-out switch on dash board to engage or disengage the axles. Warning light on dash board to indicate when the axle is lock-out or are engaged. | | | | |
| | | | | | |
| Brakes | Hydraulic actuated internal wet-disc service brakes acting on all four wheels. A dash mounted toggle switch activates the dry disc parking brake on the transmission output with a dash warning light. | | | | |
| | | | | | |
| Safety features | Standard 29.5x25-34 bias ply, Titan Maximum speed 35km/h. Grade-ability: 75% based on 52607kg GVM | | | | |
| | | | | | |
| National service Agents | To be specified | | | | |
| | | | | | |
| Warranty on structure months | 12 Month | | | | |
| | | | | | |
| Warranty on hydraulic parts | 12 Month | | | | |
| | | | | | |
| National service Agents | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | |
| | | | | | |
| Dealer network | Specify | | | | |
| | | | | | |
| OEM Service Level Agreement | Specify | | | | |
| | | | | | |
| Warranty on structure | 12 Month | | | | |
| | | | | | |
| Unit to be register to drive onroad | Must comply to Traffic Act and Regulations | | | | |
| | | | | | |
| Acceptance / Acceptance | | | | | |
| | | | | | |
| Name of Vendor | | | | | |
| | | | | | |
| Signature : | | | | | |
| | | | | | |

Annexure A3

| Job Description | | 5 Ton Semi-Industrial Forklift | | Tendering Service Provider to complete | |
|---|---|--------------------------------|---|--|--|
| Specification (ISO9001, Er03) | | Comply | Provide reason for Comply or non-compliance | Eskom technical team to complete | |
| Loading Capacity at Rated Load center | 5000kg | | | | |
| Load Center / Distance | 600mm | | | | |
| Distance from load bearing surface to center of front axle. | 701mm | | | | |
| Wheelbase | 2075mm | | | | |
| Diesel Powered (Normally aspirated or Turbo) | Diesel | | | | |
| Engine Model | Specify | | | | |
| Rated power in Kw | 61kW | | | | |
| Rated torque in Nm | 302Nm | | | | |
| Displacement | 4400cc | | | | |
| Number of cylinders | 4 Cylinders | | | | |
| Fuel consumption | Specify | | | | |
| Fuel tank capacity | 66 Liters | | | | |
| Service weight | 4280kg | | | | |
| Tyre | Pneumatic | | | | |
| Front Tyres | 315/70 R22.5 | | | | |
| Rear Tyres | 225/75 R15 | | | | |
| Number of front wheels drive | Two | | | | |
| Number of rear wheels Steering | Two | | | | |
| Mast Tilt angle forward in degree | 10 degree | | | | |
| Mast Tilt angle backward in degree | 12 degree | | | | |
| Overall Length (without fork) | 3375mm | | | | |
| Overall Length of fork arms | 1200mm | | | | |
| Overall width minimum | 1275mm | | | | |
| Height of the Extended Mast with back rest | 4672mm | | | | |
| Maximum lifting height | 3760mm | | | | |
| Height of closed cabin | 2434mm | | | | |
| Enclosed Cab | To be standard | | | | |
| Transparent roof with safety glass | To be standard | | | | |
| Unobstructed view in all directions | To be standard | | | | |
| Easy operation control system | To be standard | | | | |
| Drivers cabin with all safety features | To be standard | | | | |
| Power steering with 100% standstill steering | To be standard | | | | |
| SABS approved Seat belt with warning indicator | To be standard | | | | |
| Full suspension seat with backrest and horizontal slide travel adjustment | To be standard | | | | |
| Two speed windshield wipers | To be standard | | | | |
| Two rear view mirrors | To be standard | | | | |
| Rotating beacon LED light | To be standard | | | | |
| Headlights | To be standard | | | | |
| Indicator lights | To be standard | | | | |
| Tail and stop lights | To be standard | | | | |
| Front and rear working lights | To be standard | | | | |
| Revers alarm beeper | To be standard | | | | |
| Horn | To be standard | | | | |
| Non slip floor mat | To be standard | | | | |
| Service brake system | Hydrostatic | | | | |
| Ground clearance with load or mast | 220mm | | | | |
| Minimum turning radius (outer) | 2850mm | | | | |
| Travel speed with load | 22km/h | | | | |
| Travel speed without load | 21.5km/h | | | | |
| Lifting speed with load | 490mm/s | | | | |
| Lifting speed without load | 515mm/s | | | | |
| Lowering speed with load | 400mm/s | | | | |
| Lowering speed without load | 350mm/s | | | | |
| Gradeability | 12 degree at 5km/h | | | | |
| National service Agents | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | |
| Warranty on structure months | 12 Month | | | | |
| National service Agents | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | |
| Dealer network | Specify | | | | |
| OEM Service Level Agreement | Specify | | | | |

| | | | | | | |
|-------------------------------------|--|--|--|-------------|---|-------------------------------------|
| Job Description | | 5 Ton Semi-Industrial Forklift | | Comply | Provide reason for Comply or non-compliance | Estom technical evaluation comments |
| Warranty on structure | | 12 Month | | | | |
| Warranty on hydraulics | | 12 Month | | | | |
| Unit to be register to drive onroad | | Must comply to Traffic Act and Regulations | | | | |
| Acceptance / Acceptance | | | | | | |
| Name of Evaluator : | | | | Signature : | | |
| Name of Verifier | | | | Signature : | | |

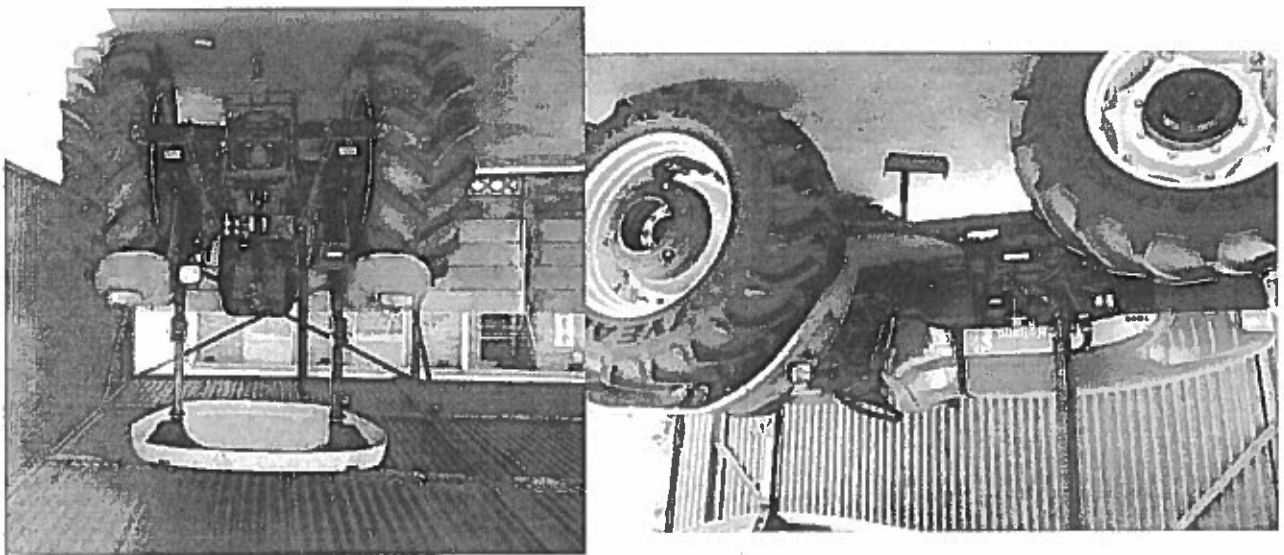
Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the

| | | | | | | | | | | | | | |
|---|--|------------------------------------|--|--|--|--|--|--|--|---|--|---|--|
| NAME OF TENDERER | | Eskom vehicle category: | | T5BD | | Vehicle Type | | Medium Truck 4x4 > 16000 < 19000GVM (Dual wheel application) | | Vehicle Job Description: | | Required to carrying Goods, equipment and passengers up to a GVM of 19000 kg on all types of road | |
| OFFER NUMBER IF MORE THAN ONE VEHICLE FOR THIS CATEGO | | OFFER NUMBER: | | OFFERED: FULL MODEL DESCRIPTION | | MAKE | | MODEL | | MODEL CODE | | PRICING CONDITIONS | |
| RETAIL PRICE | | FIXED DISCOUNT % OFF RETAIL | | ESKOM PRICE OFFERED | | All Standard Accessories on Vehicle with Factory Warranty | | (STD or NOT STD) | | R 0.00 | | | |
| AIR CONDITIONER (Factory Warranty) | | RADIO/CD PRICE FITTED (IF NOT STD) | | Seat Belts: SABS APPROVED | | DRIVER AND PASSENGER SEATBELT REMINDER INDICATOR/ALARM | | ABS BRAKES | | POWER STEERING | | DAY RUN LIGHTS INSTALLED | |
| TWO EMERGENCY TRIANGLES | | IMMOBILISER (Factory Warranty) | | ALARM (Factory Warranty) | | WHEEL BASE EXTENTION IF NEEDED (PRICE FITTED IF NOT STD) | | PTO Suitable for a 21tm crane (PRICE FITTED IF NOT STD) | | ENGINE PROTECTION DEVICE | | TRAILER BRAKE CONTROL | |
| AIR CHARGE LINE TO THE FRONT | | REVERSE ALARM/BEEPER | | FITTED TOWING/RECOVERY FACILITY ON FRONT | | TOTAL PRICE (Excluding VAT, Including Accessories) | | ESTIMATED NUMBER OF UNITS: | | LEAD TIME (days from order to delivery) | | DELIVERY RATE PER MONTH (units available for delivery per month) | |
| Eskom DX Vehicle technical specifications | | Manufacturer description | | VEHICLE CONFIGURATION : | | Medium Truck 4x4 > 16000 < 19000GVM (Dual wheel application) | | 4x4 | | YES | | Diesel Powered (Normally aspirated or Turbo) | |
| Power Rating - KW | | 160KW | | Torque Rating - NM | | 850NM | | 7500kg | | 9000kg | | Permissible Rear axle rating "Max." | |
| Permissible Front axle rating "Max." | | 21000kg | | D/T Rating "Min." | | 4500mm and 4800mm | | Chassis to facilitate the fitting of 137m hydraulic crane | | YES | | Fully synchromesh Gearbox | |
| Independent transfer box (4x4) | | YES | | Gear ratio: Top gear 1:1 | | YES | | Gear ratio: Lowest gear higher than 8:1 | | YES | | Top speed of vehicle max 100kmph (determine by gear ratio, no electronic speed limiters | |
| Power assisted Steering | | YES | | Seat Belts: SABS approved | | YES | | Tyres (Size) 11 R 22.5. (up to 80% off road usage) Compatible diff ratio | | YES | | Number of gears, manual | |
| Mud-flaps: Factory fitted | | YES | | WARRANTY PERIOD: MONTHS/DISTANCE | | Specify | | CARBON DIOXIDE (CO2) EMISSION: g/km | | Specify | | Licence and registration Cost | |
| MAINTENANCE OR SERVICE PLAN | | Full tank Fuel or R500.00 | | Cost | | | | | | | | | |

Annexure A3

| | | | |
|--|----------------|---------------------------------|--|
| Tendering Service Provider to | | Eskom technical team to | |
| complete | | complete | |
| Provide reason for | | Eskom technical | |
| compliance | | evaluation comments | |
| Comply | Comply or non- | | |
| 14.3m Horizontal | | | |
| Truck mounted crane 17.1m & | | | |
| Specification (DIN 15018H1/B3) | | Specify | |
| Capacity Range | | 17.1m | |
| Minimum Hydraulic Horizontal Reach mm | | 14.35m | |
| Minimum Hydraulic Vertical Reach mm | | 18m | |
| Slew Range Minimum | | 400° | |
| Minimum Lift Capacity Weight @ Distance | | 7400kg & 2m | |
| (KG/M) | | | |
| Minimum Lift Capacity Weight @ Distance | | 735kg & 14.3m | |
| (KG/M) | | | |
| Maximum Tare Weight of crane including oil, | | 2500kg | |
| mounting kit and outriggers (KG) | | | |
| Crane outriggers: Hydraulic out, down and up | | | |
| with an outspread of | | 5000-6000mm | |
| Auxiliary outriggers Hydraulic out and down | | Min 1:4 | |
| (Stability) Minimum Stability Ratio (1:4) on all | | Specify | |
| working conditions | | | |
| Required mounting space (mm) | | Specify | |
| Behind Cab Crane Mounting | | Specify | |
| Rear Crane Mounting | | Specify | |
| Lifting Moment Limiting Device | | Specify | |
| Electronic portional control system | | Specify | |
| Hydraulic Pump | | Specify | |
| Remote Control 4 Function | | Specify | |
| Remote Control 6 Function | | Specify | |
| Elephant feed | | Specify | |
| Working lights | | Specify | |
| Hour Meter | | Specify | |
| Handbrake Failsafe | | Specify | |
| Earth footpates | | Specify | |
| Auger drill | | Specify | |
| Aerial Basket to meet all OCH Act and | | Specify | |
| regulations specifications | | | |
| National service Agents | | Original Equipment Manufacturer | |
| (OEM) and or registered dealer | | | |
| Dealer network | | (Service supplier) | |
| OEM Service Level Agreement | | Specify | |
| Warranty on structure | | 12 Month | |
| Warranty on hydraulics | | 12 Month | |
| Acceptance / Acceptance | | | |
| Name of Evaluator : | | Signature : | |
| Name of Verifier | | Signature : | |
| Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided | | | |

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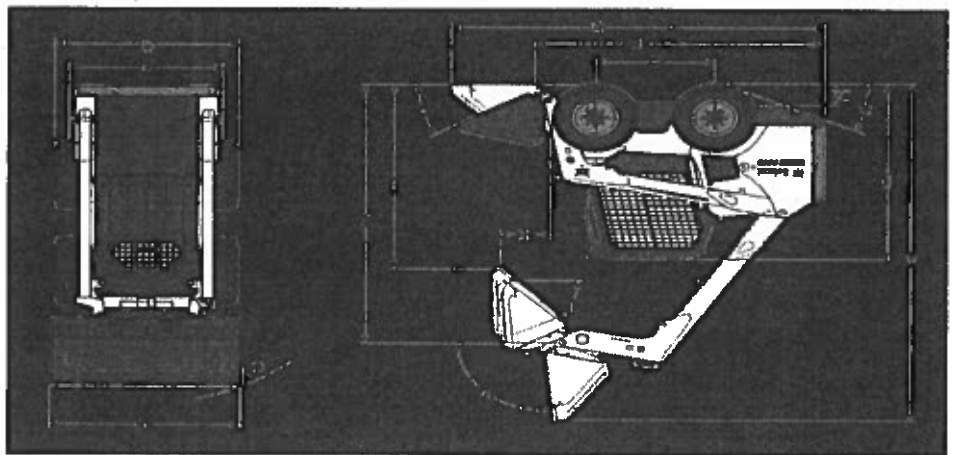
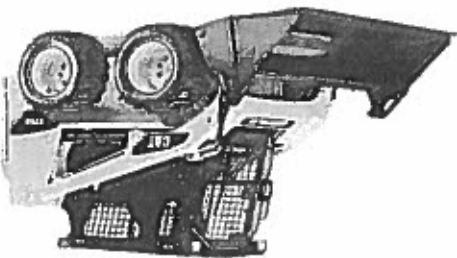
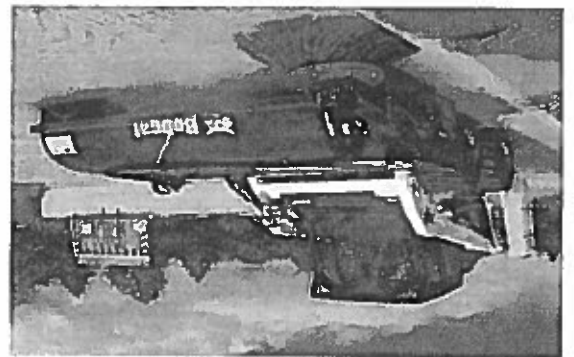


| | | | |
|--|--|--|--|
| Unit to be register to drive | | | |
| Must comply to Traffic Act and | | | |
| onroad Regulations | | | |
| Acceptance / Acceptance | | | |
| Name of Evaluator : | | | |
| Signature : | | | |
| Name of Verifier | | | |
| Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed | | | |

| Annexure A3 | | Tendering Service Provider to Eskom technical team | |
|--|---|--|---|
| Job Description | 680KG Skid Steer Loader | Comply | Provide reason for Comply or non-compliance |
| Maximum Power | 45.5KW | | |
| Torque | 201.0NM | | |
| Number of Cylinders | 4 Cylinder | | |
| Displacement | 26000 cm³ | | |
| Fuel Type | Diesel | | |
| Cooling | Liquid | | |
| Fuel Tank Capacity | 93L | | |
| Hydraulic Tank Capacity | 40L | | |
| Operating weight | 2841KG | | |
| Shipping Weight | 2503KG | | |
| Rated Operating Capacity | 894KG | | |
| Tipping load | 1788KG | | |
| Pump Capacity | 64.70L/min | | |
| Pump Capacity (with high flow option) | 101.10L/min | | |
| System relief at quick couplers | 23.8 - 24.5 Mpa | | |
| Max Travel Speed(High range-Option) | 17.3 KM/H | | |
| Max Travel Speed | 11.8KM/H | | |
| Wheelbase | 1062.0 mm | | |
| Length without bucket | 2657.0 mm | | |
| Length with bucket on the ground | 3378.0 mm | | |
| Height to top of cab | 1972.0 mm | | |
| Maximum Overall height | 3787.0 mm | | |
| Ground clearance | 185.0 mm | | |
| Approach Angle with bucket lowered | 30° | | |
| Departure angle | 24° | | |
| Maximum dump angle | 42° | | |
| Maximum width with tyres | 1643.0 mm | | |
| Turning Radius from centre-bucket | 2032.0 mm | | |
| Vehicle steering | Direction and speed controlled by two hand levers or optional Advanced Control System (ACS), Advanced Hand Controls (AHC) or Selectable Joystick Controls (SJC) | | |
| Loader hydraulics tilt and lift | Separate foot pedals or optional Advanced Control System (ACS), Advanced Hand Controls (AHC) or Selectable Joystick Controls (SJC) | | |
| Front Auxiliary (Standard) | Electrical switch on right-hand steering lever Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors | | |
| Transmission | | | |
| Safety and Comfort: Roll Over Protective Structure | Yes | | |
| Falling Object Protective Structure | Yes | | |
| Back-up alarm | Yes | | |
| Lift arm support | Yes | | |
| Work lights, front and rear | Yes | | |
| Parking brake | Yes | | |
| Seal belt | Yes | | |
| Cushion suspension seat | Yes | | |
| Instrumentation | Yes | | |
| Engine/hydraulics system shutdown | Yes | | |
| Hydraulic bucket positioning (including ON/OFF switch) | Yes | | |
| Electrically activated proportional front auxiliary hydraulics | Yes | | |
| Attachments: Sweeper attachment | Yes | | |
| National service Agents | Attachment sweeps, collects and dumps dirt and debris. In addition, it cleans up in forward or reverse | | |
| Dealer network | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | |
| OEM Service Level Agreement | Specify | | |

| | | | | | |
|-------------------------------------|----------|--|--|--|--|
| Warranty on structure | 12 Month | | | | |
| Warranty on hydraulics | 12 Month | | | | |
| Unit to be register to drive onroad | | Must comply to Traffic Act and Regulations | | | |
| Acceptance / Acceptance | | | | | |
| Name of Evaluator : | | Signature : | | | |
| Name of Verifier | | Signature : | | | |

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed



Tendering Service Provider to complete Eskom technical team to complete

| | | | | | |
|-------------------------------------|--|-------------|--|--|--|
| Warranty on hydraulics | 12 Month | | | | |
| Unit to be register to drive onroad | Must comply to Traffic Act and Regulations | | | | |
| Acceptance / Acceptance | | | | | |
| Name of Evaluator : | | Signature : | | | |
| Name of Verifier | | Signature : | | | |

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation

| | | | | | | | | | | | |
|--|--|---|---|---|---|--|---|--|--|------------------|----------------------|
| Vehicle Job Description | The lifting capacity correspond to EN 13000:2004 | Boom | Boom Nose | Boom Elevation | Anti-Tow block device | Load Indicator | Rated Capacity Limiter (RCL) | Load Moment Indicator (LMI) | Swing | Hydraulic System | Hoist Specifications |
| 20 Ton mobile rough terrain crane required for the lifting of goods, equipment. With a hydraulic horizontal reach of 29 metres and hydraulic vertical reach of 30 metres and 36.9 metres with jib. | The lifting capacities likewise fulfil the requirements of ISO 4305 and DIN 15018, Part 2, with regard to stability, and DIN 15018, Part 3, and FEM 5004 with regard to strength. 85%: Capacities are in accordance with SAE J1063 and do not exceed 85% of the tipping load (SAE J1289 for outriggers 50% and 0% extended) as determined by SAE J765. | 8.8 m to 29 metre four-section full power boom. | Tip height 29 metres Three nylon sheaves mounted on heavy duty tapered roller bearings Removable auxiliary boom nose with removable pin type rope guard. Hook height 28.8 metres and hook capacity 27.2T | One double acting hydraulic cylinder with integral holding valve provides elevation from -3° to +76°. | It must provide an audible and visual warning to the crane operator when activated and it must disengage all crane functions whose movement can cause two-system. This system must be used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load. | The display panel displays the hook load and warns the operator when a pre-set load capacity is exceeded. The warning is by a flashing light on the display panel and must be in conjunction with the load display panel. There must be a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel. It must be similar to the load indicator but must stop the telescope out and boom lift down function when a load limit is exceeded. Uses a similar display panel with the addition of displaying boom angle and boom length read outs on digital display of boom angle, boom length, boom radius, capacity. System to allow for operator input to set the limits based on load chart. Displays colour coded light bar and audible alarm with function cut-out if load exceeds entered parameters. Interlocking swing drive with lock applied in disc wet. | Spring applied, hydraulically released swing brake. Single position mechanical mouse lock, operated from cab. | Maximum speed 2 rpm. Two main pumps ([1] piston and [1] gear) with a combined capacity of 316.5 LPM. Combined flow rating: 316.5 LPM. Maximum operating pressure: 275.7 bar. Three section pressure compensated valve bank. Return line type filter with full flow by-pass protection and service indicator. Return line filter with full flow by-pass protection and service indicator. | 500 Litre hydraulic reservoirs with sight level gauge and steel side plating to guard against side impact. Carrier mounted oil cooler with thermostatically controlled hydraulic motor driven fan and air to oil system pressure test ports. Planetary reduction with automatic spring applied multi-disc wet brake. Electronic hoist drum rotation indicators, and hoist drum cable followers. Maximum single line-pull 1 st layer: 5 280 kg. | | |
| Comply | | | | | | | | | | | |
| Provide reason for Comply or non-compliance | | | | | | | | | | | |
| Eskom technical evaluation comments | | | | | | | | | | | |

| | | | | | |
|------------------------------------|--|--------|----------------|---|-------------------------------------|
| Vehicle Job Description | 20 Ton mobile rough terrain crane required for the lifting of goods, equipment. With a hydraulic horizontal reach of 29 metres and hydraulic vertical reach of 30 metres and 36.9 metres with jib. | Comply | non-compliance | Provide reason for Comply or non-compliance | Eskom technical evaluation comments |
| Rope length and construction | Maximum single line-pull 3rd layer: 4 323 kg. | | | | |
| | Maximum single line-pull 5th layer: 3 656 kg. | | | | |
| | Maximum Single Line Speed: 136 m/min. | | | | |
| | Maximum Permissible Line Pull: 5 280 kg. with 34x37 class rope. | | | | |
| | Main hoist: 137 m | | | | |
| | Auxiliary hoist: 137 m | | | | |
| | Maximum rope stowage: 181 m. | | | | |
| | High strength alloy steel constructed with integral outrigger housings. | | | | |
| | Front and rear tie-down lugs suitable to hold the load of 13600 kg in motion. | | | | |
| | Maximum width 2,387 metres. | | | | |
| Frame | Maximum height 3,550 metres. | | | | |
| | Four hydraulic telescoping Single-stage double box beam outriggers with vertical jack at the four corners provides extend and down and retracted and down | | | | |
| | Integral holding valves on both beam and jack. | | | | |
| | Three position settings: 100%, 50% and fully retracted | | | | |
| Outriggers | All steel fabricated, quick-release type round outrigger floats, 362mm diameter with maximum outrigger pad load of 24 657 kg. | | | | |
| | Three switch operations mounted on dash panel. | | | | |
| | One 3-position rocker switch to select all beams / jacks, left beam jacks only or right beam jacks only. | | | | |
| | Separate 4-way toggle switch to activate beams out or in and jacks down and up. | | | | |
| Outrigger Controls | Lever double indicator located inside operator's compartment. | | | | |
| | Independent outrigger controls must be available to work in confined spaces. | | | | |
| | Outrigger motion alarm | | | | |
| | Preferable Cummins Engine with 119 kW at 2500 rpm and 732 Nm at 1500 rpm | | | | |
| Engine | Engine must be service and maintained through local dealer network in SA | | | | |
| | 3,8 t pinned to superstructure. | | | | |
| Counterweight | Enclosed control station full vision, all-steel fabricated with acoustical lining and tinted safety glass front and rear and sliding glass on the right side as well as overhead safety glass. | | | | |
| Operators Enclosed control station | Tilt/telescoping steering wheel with various controls incorporated into the steering Column. | | | | |
| | Hinged full door with a safety sliding glass. | | | | |
| | Front windshield wiper. | | | | |
| | Cab to be fitted with defroster and a heater. | | | | |
| | All crane functions and unwinding controls to be inside cab. | | | | |
| | Durable weather resistant seat with 3-point seat belt. | | | | |
| | Hour metre, sight level bubble and fire extinguisher as a standard fitment in cab. | | | | |
| | All instruments must be neatly mounted on dash panel. | | | | |
| | Engine oil pressure gauge, Engine water temperature gauge, Fuel gauge, Transmission low oil and high temperature warning light, Low battery warning light | | | | |
| | Brake system low pressure warning light | | | | |
| Operators Enclosed control station | The LSI (Load Indicator) must be mounted on top of the dash board for clear visibility. | | | | |
| | Dual rear-view mirrors. | | | | |
| | Back-up alarm. | | | | |
| | Minimum of 219 litre fuel tank closed up with steel side plate to guard against side impact | | | | |
| | 12 volt starting and lighting, battery disconnect and can bus diagnostic system | | | | |
| | Canbus Diagnostic system. | | | | |
| | Recessed mounted lights, head lights, rear working lights and turn signals lights. | | | | |
| | 4x4 drive: Front and rear axle drive with planetary hubs and limited slip differential. | | | | |
| Fuel Tank and capacity | | | | | |
| | | | | | |
| Electrical system | | | | | |
| | | | | | |
| Lights | | | | | |
| | | | | | |
| 4-wheel drive | | | | | |
| | | | | | |

| | | | | | | | |
|--|--------|---|-------------------------------------|---|---|---|---|
| 20 Ton mobile rough terrain crane required for the lifting of goods, equipment. With a hydraulic horizontal reach of 29 metres and hydraulic vertical reach of 30 metres and 36.9 metres with jib. | Comply | Provide reason for Comply or non-compliance | Eskom technical evaluation comments | Steering system | | | |
| | | | | Front full hydraulic steering wheel controlled. | Front full hydraulic steering wheel controlled. | Front full hydraulic steering wheel controlled. | Front full hydraulic steering wheel controlled. |
| | | | | Transmission | | | |
| | | | | Range-shift 6 speed (3 speeds x 2 range, both forward & reverse). | Range-shift 6 speed (3 speeds x 2 range, both forward & reverse). | Range-shift 6 speed (3 speeds x 2 range, both forward & reverse). | Range-shift 6 speed (3 speeds x 2 range, both forward & reverse). |
| | | | | Front axle disconnect for 4x2 travel | Front axle disconnect for 4x2 travel | Front axle disconnect for 4x2 travel | Front axle disconnect for 4x2 travel |
| | | | | Front: Rigid mounted to frame. | Front: Rigid mounted to frame. | Front: Rigid mounted to frame. | Front: Rigid mounted to frame. |
| | | | | Rear: Provides 3.5° oscillations for use on semi-rough terrain. | Rear: Provides 3.5° oscillations for use on semi-rough terrain. | Rear: Provides 3.5° oscillations for use on semi-rough terrain. | Rear: Provides 3.5° oscillations for use on semi-rough terrain. |
| | | | | Axle lock-out switch on dash board to engage or disengage the axles. | Axle lock-out switch on dash board to engage or disengage the axles. | Axle lock-out switch on dash board to engage or disengage the axles. | Axle lock-out switch on dash board to engage or disengage the axles. |
| | | | | Warning light on dash board to indicate when the axle is lock-out or are engaged. | Warning light on dash board to indicate when the axle is lock-out or are engaged. | Warning light on dash board to indicate when the axle is lock-out or are engaged. | Warning light on dash board to indicate when the axle is lock-out or are engaged. |
| | | | | Full Hydraulic split circuit brakes operating on all wheels. Spring-applied, hydraulically released axle-mounted parking brake. | Full Hydraulic split circuit brakes operating on all wheels. Spring-applied, hydraulically released axle-mounted parking brake. | Full Hydraulic split circuit brakes operating on all wheels. Spring-applied, hydraulically released axle-mounted parking brake. | Full Hydraulic split circuit brakes operating on all wheels. Spring-applied, hydraulically released axle-mounted parking brake. |
| | | | | Tyres | 20.5 x 25 - 24 bias ply. Option: 16.0 x 25-28 bias ply. | 20.5 x 25 - 24 bias ply. Option: 16.0 x 25-28 bias ply. | 20.5 x 25 - 24 bias ply. Option: 16.0 x 25-28 bias ply. |
| | | | | Safety features | Maximum speed 40 km/h at 2500 r.p.m. | Maximum speed 40 km/h at 2500 r.p.m. | Maximum speed 40 km/h at 2500 r.p.m. |
| | | | | National service Agents | | | |
| | | | | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) |
| | | | | Dealer network | Specify | Specify | Specify |
| | | | | Warranty on structure | 12 Month | 12 Month | 12 Month |
| | | | | Warranty on hydraulics | 12 Month | 12 Month | 12 Month |
| | | | | Unit to be register to drive onroad | Service provider must register crane on road to comply to Traffic Act and Regulations | Service provider must register crane on road to comply to Traffic Act and Regulations | Service provider must register crane on road to comply to Traffic Act and Regulations |
| | | | | Acceptance / Acceptance | | | |
| | | | | Name of Evaluator : | | | |
| | | | | Name of Verifier | | | |
| | | | | Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the | | | |

| Annexure A3 | | | | Tendering Service Provider to | | Eskom technical team to co | |
|--|--|--|--|-------------------------------|-------------------------------|----------------------------|--|
| 3 Axle High bed Trailer Tractor pull | | | | Comply | Provide reason for compliance | Eskom technical comments | |
| Note: Abnormal Track Tractor and Lowbed trailer to transport the 20MVA transformer to any substation. | | | | | | | |
| Trailer Capacity 30 to 50 Ton design capacity | | | | | | | |
| Trailer Tare (Approximate) 11500kg | | | | | | | |
| Maximum length (from middle of kingpin to middle of 3 axles unit) 13960mm | | | | | | | |
| Maximum length of 3 axles trailer 18300mm | | | | | | | |
| Maximum width 2900mm | | | | | | | |
| Load deck height 750mm | | | | | | | |
| Maximum length over rear axle unit 5247mm | | | | | | | |
| Gooseneck type Fixed Gooseneck Drop Deck Semi Trailer Low bed | | | | | | | |
| Track Tractor pull Front bogey to be able to be cooked up with track tractor | | | | | | | |
| Swing Clearance 3200mm | | | | | | | |
| Kingpin Diameter 75mm | | | | | | | |
| 5th wheel height Truck 5th wheel height 1350mm | | | | | | | |
| Number of axles Three axles dual wheel application | | | | | | | |
| Axle capacity per line 12000kg | | | | | | | |
| Axle track 2530mm | | | | | | | |
| Suspension Air suspension | | | | | | | |
| Suspension capacity per line 5am as axle capacity 12 ton | | | | | | | |
| Suspension orientation Under slung | | | | | | | |
| Tyres 12R22.5 Tyres | | | | | | | |
| Rims One (1) every 1200mm on deck only | | | | | | | |
| Spare tyres Two spare tyres | | | | | | | |
| ABS and EBS Brake system ABS approved ABS system including suzi connection and 24V automatic slack adjusters and twin line fail safe air brakes. | | | | | | | |
| Standard trailer suzi connection Standard for abnormal trailers | | | | | | | |
| 6 Hand-operated stabilising legs on each of the four corners, and middle of trailer Specify | | | | | | | |
| Electrical system Multi Voil SABS approved system | | | | | | | |
| Four of 3CR12 Lockable and integral tool-box 600mm x 400mm x 400mm | | | | | | | |
| Road tools for the trailer (Details to be provided by supplier) Specify | | | | | | | |
| Two Lockable spare wheels carriers for the trailer Specify | | | | | | | |
| Theft deterrent wheel nuts for all wheels Specify | | | | | | | |
| Hydraulic jack accessible from ground level Specify | | | | | | | |
| Hydraulic jack to be able to lift trailer when needed to change tyres Specify | | | | | | | |
| Jacking points clearly indicated Specify | | | | | | | |
| Mud flaps fitted Anti-Spray mud flaps | | | | | | | |
| Abnormal Board fitted Chevron board SABS approved | | | | | | | |
| Total trailer must meet all Traffic ACT and regulation specifications Specify | | | | | | | |
| National service Agents Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | | | | |
| Dealer network Specify | | | | | | | |
| OEM Service Level Agreement Specify | | | | | | | |
| Warranty on structure 12 Month | | | | | | | |
| Unit to be register to drive on road Must comply to Traffic Act and Regulations | | | | | | | |
| Acceptance / Acceptance Signature : | | | | | | | |
| Name of Evaluator : Signature : | | | | | | | |
| Name of Verifier Signature : | | | | | | | |

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed

| Tendering Service Provider to complete | | Eskom technical team to complete | |
|---|--|---|---|
| Vehicle Job Description Compressor 88br at 250 cfm | | Quality Standards ISO 9001 CERTIFIED QUALITY SYSTEM | Comply Provide reason for compliance Eskom technical evaluation comments |
| Normal effluent working pressure (Bar) 7 bar | | | |
| Normal effluent working pressure (psi) 102 psig | | | |
| Actual free air delivery guaranteed (l/s) 177 l/s | | | |
| According to ISO 1217 8.3 m ³ /min | | | |
| ed,3 1996 annex D (cu ft/min) 325 cfm | | | |
| Sound power acc.2000/14 EC (dB(A)) 99dB(A) | | | |
| Sound pressure level (dB(A)) 71 dB | | | |
| Oil Capacity 24L | | | |
| Max.ambient temperature °C 50°C | | | |
| Engine 4 cylinder Diesel | | | |
| Full load speed 2200r/min | | | |
| Output at rated speed 60KW | | | |
| Fuel tank capacity 175L | | | |
| Weight with brakes and adjustable tow bar 1690kg | | | |
| Overall length 4504mm | | | |
| Overall height 1661mm | | | |
| National service Agents Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | |
| Dealer network Specify | | | |
| OEM Service Level Agreement Specify | | | |
| Warranty Air End 24 Month standard | | | |
| Warranty Air End 5 year or 10000 hour warranty when continuously serviced at the recommended service intervals with OEM | | | |
| Unit to be register to drive onroad Must comply to Traffic Act and Regulations | | | |
| Acceptance / Acceptance Name of Evaluator : Signature : | | | |
| Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom. | | | |

Annexure A3

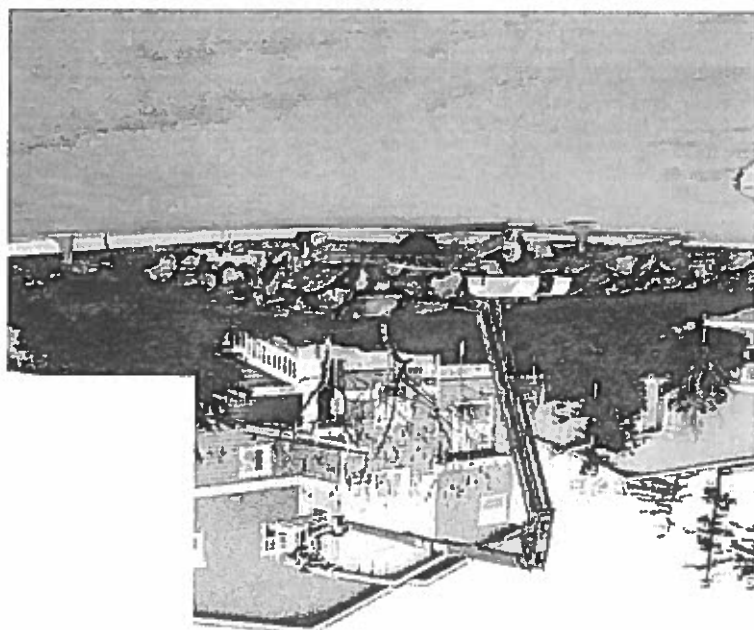
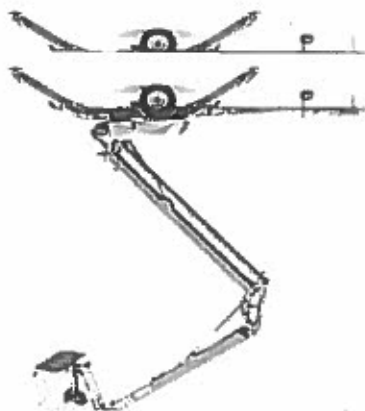
 Tendering Service Provider to complete
 Eskom technical team to complete

| Vehicle Job Description | 17.2M Self Propelled Articulating Boom Lift | Comply | Provide reason for Comply or non-compliance | Eskom technical evaluation comments |
|---|---|--------|---|-------------------------------------|
| | | | | |
| Standards Compliance | ANSI A92.2 and CAN/CSA-C225-00 | | | |
| Working height max | 17.59 M | | | |
| Platform height bottom of basket max | 15.59 M | | | |
| Horizontal reach | 9.37 M | | | |
| Up-and-over clearance | 7.29 M | | | |
| Platform Length | 0.76 M | | | |
| Platform width | 1.83 M | | | |
| Stowed Length | 7.58 M | | | |
| Stowed Height | 2.13 M | | | |
| Width | 2.29 M | | | |
| Wheel Base | 2.03 M | | | |
| Turnable Rotation | 355° non continuous | | | |
| Turnable Rotation | 355° | | | |
| Platform capacity | 227 KG | | | |
| Turnable rotation | 355° | | | |
| Platform Rotation | 160° | | | |
| Lifting capacity | 227 KG (2 persons) | | | |
| Drive speed - Stowed | 8 KM/H | | | |
| Drive speed - raised | 1 KM/H | | | |
| Tires | 315/55 D20 foam filled | | | |
| Gradeability 4WD stowed | 45% | | | |
| Turning radius inside | 1.68 M | | | |
| Turning radius outside | 4.50 M | | | |
| Power source | 35.8 KW Diesel engine or 12V DC | | | |
| Engine protection package | Standard | | | |
| Intake air heater | Standard | | | |
| Swing out engine tray | Standard | | | |
| Hydraulic Tank | 150L | | | |
| Fuel Tank | 150L | | | |
| Emergency Pump | Manual pump | | | |
| Working Lights | Standard | | | |
| Rotating light | Standard | | | |
| Drive Alarm | Standard | | | |
| Motion Alarm | Standard | | | |
| Hour Meter in the basket | Standard | | | |
| Warning Buzzer in the basket | Standard | | | |
| Voltage indicator | Standard | | | |
| Mesh floor in the basket | Standard | | | |
| Protected control basket panel | Standard | | | |
| Self leveling platform | Standard | | | |
| Anti-restart engine protection | Standard | | | |
| Auto engine fault shutdown | Standard | | | |
| Unit Gross Weight | 7394 KG | | | |
| Original Equipment Manufacturer (OEM) and or registered dealer (Service Specify | | | | |
| National service Agents | | | | |
| Dealer network | | | | |
| OEM Service Level Agreement | | | | |
| Warranty on structure | 12 Month | | | |
| Warranty on hydraulics | 12 Month | | | |
| Unit to be register to drive onroad | Must comply to Traffic Act and Regulations | | | |
| Acceptance / Acceptance | | | | |
| Name of Evaluator : | | | | |
| Name of Verifier | | | | |

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

| Vehicle Job Description | | Tendering Service Provider to complete | | Eskom technical evaluation comments | |
|---|--|--|-------------------|-------------------------------------|-------------|
| 12M Trailer mounted Z Boom | ANSI A92.2 and CAN/CSA-C225-00 | Comply | or non-compliance | Provide reason for comply | to complete |
| | | | | | |
| Working height max | 12 M | | | | |
| Horizontal reach | 4.57 M | | | | |
| Lifting capacity | 227KG | | | | |
| Stowed Length | 1.94M | | | | |
| Stowed Height | 5.09M | | | | |
| Width | 1.45M | | | | |
| Ground Clearance | 24CM | | | | |
| Platform capacity (ANSI, CSA) | 227KG | | | | |
| Extension Deck Capacity (ANSI, CSA) | 200KG | | | | |
| Platform Width (ANSI, CSA) | 1.12M | | | | |
| Platform Length (single deck) | 0.68 M | | | | |
| Entry height - extended | 16 cm | | | | |
| Outreach - working | 6.1 M | | | | |
| Outrigger footprint - Length | 3.27 M | | | | |
| Outrigger footprint - Width | 3.6 M | | | | |
| Hydraulic outriggers | Standard | | | | |
| Self Leveling Capability w/outriggers | 11° Side/Side | | | | |
| Automatic leveling system | Standard | | | | |
| Outrigger interlocks | Standard | | | | |
| Leveling gauge | Standard | | | | |
| Turntable rotation | 359° Non continuous | | | | |
| Towing speed rating | 97km/h | | | | |
| Power source | 24V/DC | | | | |
| AC wiring to platform | Standard | | | | |
| Tongue weight (ANSI, CSA) | 143 kg | | | | |
| Machine weight | 1432 kg | | | | |
| Tire size | ST205x7.5R14 | | | | |
| Surge brakes | Standard | | | | |
| Parking brake | Standard | | | | |
| Machine weight | 1432kg | | | | |
| Easy to read platform controls | Standard | | | | |
| Emergency pump down | Standard | | | | |
| Working Lights | Standard | | | | |
| Rotating light | Standard | | | | |
| Descent Alarm | Standard | | | | |
| Motion Alarm | Standard | | | | |
| Tilt Sensor with an audible alarm | Standard | | | | |
| Hour Meter | Standard | | | | |
| Warning Buzzer in the basket | Standard | | | | |
| Voltage Indicator | Standard | | | | |
| Protected control basket panel | Standard | | | | |
| Anti-restart engine protection | Standard | | | | |
| Original Equipment Manufacturer (OEM) and or registered dealer (Service | | | | | |
| Dealer network | Specify | | | | |
| OEM Service Level Agreement | Specify | | | | |
| Warranty on structure | 12 Month | | | | |
| Warranty on hydraulics | 12 Month | | | | |
| Unit to be register to drive onroad | Must comply to Traffic Act and Regulations | | | | |
| Acceptance / Acceptance | | | | | |
| Name of Evaluator : | | | | | |
| Name of Verifier | | | | | |

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the



Annexure A3

| | | | | | |
|---|--------|---|-------------------------------------|-------------------------|---|
| Annexure A3 | | | | | |
| LIGHTING UNIT MOBILE, FLOODLIGHT 1000W | | | | | |
| HOIST, ELECTRIC START, AIR-COOLED DIESEL, 6KVA | | | | | |
| ALTERNATOR WITH AVR CONTROL AND FOUR | | | | | |
| WHEEL TRAILER WITH OUTRIGGERS | | | | | |
| Comply | Comply | Provide reason for Comply or non-compliance | Eskom technical evaluation comments | Vehicle Job Description | Light tower manufacturer and international standard |
| To be specified | | | | | |
| Four 1000 watt metal halide lights | | | | | |
| Each light comes with an individual circuit breaker switch for greater flexibility of power use | | | | | |
| Horizontally mounted lamp assembly to generates for a more even distribution of light over job site | | | | | |
| Durable cast aluminium lamp fixtures with tempered glass lenses attached to hinged frames | | | | | |
| Convenient bulb replacement accessibility | | | | | |
| Tool-less Quick aim system features a rotational wheel and spring-latch engagement point for both horizontal and vertical adjustment of each lamp fixture | | | | | |
| The system must provide the ability to vertically aim all four lamp fixtures from ground level | | | | | |
| Dual tower rotation handles and innovative handle-activated locking mechanism for quickly lock tower in desired position | | | | | |
| UHMW plastic slide pads used throughout the entire mast assembly to provide long life and high level of corrosion resistance | | | | | |
| Fold-down outrigger system and dual deployment positions to allowing easy setup on uneven surfaces | | | | | |
| Front panels to be covered with an "ultra tough" polyethylene coating to prevent rust and corrosion | | | | | |
| Impact-resistant foam core polyethylene plastic fenders that will not rust | | | | | |
| Display panel to illuminate for operator convenience | | | | | |
| Controls to be locked behind a separated panel for easy access | | | | | |
| Field-proven cable routing system to protect power cable routing | | | | | |
| Continuous run-time rating of 100 hours between fuelling | | | | | |
| Forklift pockets and crane attachment points must be provided for easy transport on the vehicles for on and off loading | | | | | |
| Transport tie-down brackets | | | | | |
| Pad-lockable covers with stainless steel hinges | | | | | |
| Fuel/water separator | | | | | |
| Cold start package | | | | | |
| Heavy-duty battery | | | | | |
| Keyed ignition | | | | | |
| Specifications | | | | | |
| Height - stowed | | | | | |
| 1.78 metre | | | | | |
| Length - stowed | | | | | |
| 4.34 metre | | | | | |
| Width - stowed | | | | | |
| 1.78 metre | | | | | |
| Leveling capability | | | | | |
| 30° | | | | | |
| Tower rotation | | | | | |
| 360° | | | | | |
| Tow speed rating | | | | | |
| 90 km/h | | | | | |
| Wind speed rating | | | | | |
| Wind speeds up to 697 km/h | | | | | |
| Power source | | | | | |
| Diesel engine | | | | | |
| Generator | | | | | |
| 6 kW | | | | | |
| Total lighting wattage | | | | | |
| 4000 watts | | | | | |
| Auxiliary convenience | | | | | |
| 1-120V GFCI duplex receptacle | | | | | |
| Tires | | | | | |
| 185/80D13 | | | | | |
| Operating sound level | | | | | |
| 71 dbA at 7 metres | | | | | |
| Standard receptacle | | | | | |
| 50 mm | | | | | |
| Fuel tank capacity | | | | | |
| 189 litre | | | | | |
| Weight with fuel | | | | | |
| 1016kg | | | | | |
| National service Agents | | | | | |
| Original Equipment Manufacturer (OEM) and or registered dealer (Service supplier) | | | | | |
| Dealer network | | | | | |
| Specify | | | | | |
| OEM Service Level Agreement | | | | | |
| Specify | | | | | |
| Warranty on structure | | | | | |
| 12 Month | | | | | |
| Warranty on hydraulics | | | | | |
| 12 Month | | | | | |
| Unit to be registered to be towed on road | | | | | |
| Must comply to Traffic Act and Regulations | | | | | |
| Acceptance / Acceptance | | | | | |
| Name of Verifier | | | | | |
| Name of Evaluator | | | | | |
| Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will | | | | | |