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Lote 1 (Inert)

Description	Specifications	Units	As for.	Value
Sand	Granulometry [0.15–4.75 mm]; Clay theor ≤ 2%; [SECTION 1083, SECTION 201]	m3	400	
British 3/4"	Granulometry [9.5–19 mm]; Crushing strength ≤ 29% [SANS 1083, SANS 201]	m3	150	
Cement	CEM II 32.5N [EN 197-1]	And	1200	
Pave	Zig Zag, 80mm, 35Mpa, natural color, abrasion wear [TMH 9]	m2	1000	
Lancel	Fig 3 or equivalent;≥25 MPA [sabs 927]	ME	1500	
Fine sand	Granulometry [0.05–1.18 mm]; Theor em clay 2%; [SECTION 1083, SECTION 201]	m3	300	
Clay	Solos G7 ou superior; CBR (at 93%)≥ 15% [COLTO]	m3	2000	
Rachão	Gramulometry (200-320 mm) SATCC 2502(a)(i)	m3	300	
Boulder/Pebbles 500kg	Granulometry (330-1200mm); Resistance to abrasion and corrosion Saline, COTO	Ton	500	
Tout Venant	Coarse aggregate with extensive particle size, G3, PI<6, Granulometry (0.00-37.5 mm)(COLTO)	m3	200	
Total				

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Lote 2 (Asphalt)

Amount	Designation of the asset	Technical Specifications	
1200 Ton	Bituminous Concrete	Marshall Stability (kN)	3,5-12,5
		Marshall deformation (mm)	2-4
		Voids in the mixture (%)	3-6
		Stability/deformation (KN/mm)	2-3,5
		Filler/bitumen ratio	1,0-1,5
		Granulometry (mm) [SATCC Table 4202/3]	00-9.5
		10% FACT [TMH1 B2] (kN)	180
10 And	Bituminous Emulsion	Anionic emulsion SS60; Minimum 12 degrees Engler at 20°C [SANS 4001-BT3]	

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Lote 1

Amount	Designation of the asset	Technical specifications (minimum) of the asset
01	Bulldozer	Deforestation and leveling; Engine power: ≥ 180 HP; Blade: Straight or semi-U, with hydraulic control; Operational weight: ≥ 18 tons; Track system with wide shoes. Cabin: Closed, air-conditioned (A/C), with protection ROPS/FOPS Minimum warranty: 1 year

Lote 2

Amount	Designation of the asset	Technical specifications (minimum) of the asset
01	Milling machine	Milling width: ≥ 1000 mm; Adjustable cutting depth: ≥ 30 cm; Automatic leveling control system; Material conveyor: Articulated front conveyor; High traction wheels or tracks; Engine power: ≥ 300 HP; Air-conditioned cabin with dust protection.

Lote 3

Amount	Designation of the asset	Technical specifications (minimum) of the asset
01	Compactor Roller (Smooth Drum)	Type: Self-propelled; Operational weight: ≥ 10 ton; Drum width: ≥ 2.0 meters; Vibration: Yes, with double frequency and amplitude; Motor: Diesel, ≥ 100 HP; Cabin: Open or closed, with ROPS/FOPS protection.

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Lote 4

Amount	Designation of the asset	Technical specifications (minimum) of the asset
01	Asphalt Paver	Adjustable paving width: 2.5 to 6 meters; Layer thickness: Adjustable ≥ 300 mm; Feeding system: By belt/conveyor belt + distributor screw; Motor: Diesel, ≥ 150 HP; High traction tracks or wheels; Table heating system: Gas or electric; Automatic leveling and tilt control.

Lote 5

Amount	Designation of the asset	Technical specifications (minimum) of the asset
02	Road Marker Cold	Ink tank capacity: ≥ 100 L; Type: Self-propelled or towable; Spray system: Pneumatically controlled gun; Number of pistols: Minimum 2; Double and single lines; Marking with reflectivity; Engine: Gasoline or diesel.

Lote 6

Amount	Designation of the asset	Technical specifications (minimum) of the asset
02	Concrete mixer	Drum capacity: 500 liters; Type: Towable with hitch; Engine: Gasoline (25 HP); Tilt system: Hydraulic; Reinforced steel structure, with wheels pneumatics.

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Lote 7

Amount	Designation of the asset	Technical specifications (minimum) of the asset
02	Mini on - Skid loader	Power: 60 HP; Operational weight: 2 to 3 tons; Bucket capacity: ≥ 500 liters; Auxiliary hydraulic system for accessories, Traction tires or tracks; Closed cabin with ROPS/FOPS protection; Optional accessories: Pallet fork, breaker hammer, mini milling machine, broom

Lote 8

Amount	Designation of the asset	Technical specifications (minimum) of the asset
01	12 Ton Lowbed Trailer	Load capacity: 12 tons; Machine loading Hitch type: Pin; Reinforced carbon steel chassis; Brakes: Pneumatic; Floor: Metallic; Load tires with reinforced suspension, Lighting and signaling system.

Lote 9

Amount	Designation of the asset	Technical specifications (minimum) of the asset
02	Portable emulsion sprayer (by drum)	Spraying >18 L/min (adjustable); Spray Width 500-1000 mm; Hose length 5 m; Nozzle Type Stainless steel, incl self-cleaning; Rotation speed 1500 rpm; Gear Pump Maximum Flow 310 L/min; Motor ≥ 5 HP.

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Lote 10

Amount	Designation of the asset	Technical specifications (minimum) of the asset
03	Jumping	Operational weight ≥ 65 kg Operational coverage ≥ 250m2/h Impact force 2 13 KN

Lote 11

Amount	Designation of the asset	Technical specifications (minimum) of the asset
02	Autobetoneiras 3,5m3	Drum capacity ≥ 3500lit Lid for emergency discharge; 4-wheel drive; Capacity per load min 600 liters; production hourly ≥ 18m3; Electronic scale; High pressure water pump; 2 extra gutters included; Maximum external turning radius 4m; Cabin with ROPS-FOPS, rear view camera and AC; Mixing and discharge speed independent of engine speed; Electronic drum probe (optional); Discharge on all four sides of the vehicle.

Lote 12

Amount	Designation of the asset	Technical specifications (minimum) of the asset
02	Skid loader/ Bobcat	Power: ≥ 60 HP Skid loader/ Bobcat Operating weight: 2 to 3 tons Bucket capacity: ≥ 500 liters Auxiliary hydraulic system for attachments Traction tires or tracks Enclosed cabin with ROPS/FOPS protection Optional accessories: Pallet fork, breaker hammer, backhoe, broom and milling machine.

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Lote 13

Amount	Designation of the asset	Technical specifications (minimum) of the asset
01	Vibratory tandem roller - asphalt	Type: Self-propelled, tandem Operational weight: ≥ 2.70 tons Drum width: ≥ 1.1 meters Vibration: Yes, with double frequency and amplitude Motor: Diesel, ≥ 30 HP Cabin: Open or closed, with protection ROPS/FOPS

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Lote 1

Amount of	Designation of the asset	Technical specifications of the asset
03	Pick-Up Cabine Simples (4x4)	• Engine: Diesel, minimum 2.2L, turbo intercooler • Power: Minimum 120 HP • Traction: 4x4 • Transmission: Manual, 5 or 6 speeds • Payload capacity: ≥ 1000 kg • Power steering • Air conditioning • Electric windows • Radio with USB/Bluetooth • Mixed-use tires (on/off road) • Spare wheels (minimum 1) • Color: White (preferred) • Warranty: minimum 3 years or 100,000 km • Tool kit and warning triangle included
02	Pick-Up Cabine Dupla (4x4)	• Engine: Diesel, minimum 2.2L, turbo intercooler • Power: Minimum 120 HP • Traction: 4x4 • Transmission: Manual, 5 or 6 speeds • Payload capacity: ≥ 750 kg • Power steering • Air conditioning • Electric windows (front and rear) • ABS braking system • Front airbags (driver and passenger minimum) • Basic entertainment system (USB/Bluetooth) • Fabric or synthetic leather seats (easy to clean) • Mixed-use tires • Spare wheel • Color: White (preferred) • Warranty: minimum 3 years or 100,000 km • Tool kit, hydraulic jack and emergency accessories

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Lote 2

Amount of	Designation of the asset	Technical specifications of the asset
01	Tricycle	Purpose: Internal logistical support or light transport of materials. Minimum specifications: • Type: Gasoline powered • Load capacity: ≥ 300 kg • Number of passengers: 1 to 2 • Cargo compartment: Closed • Brakes: Disc • Headlights and direction indicators
03	Motorbikes	Type: Utility motorcycle, new, zero kilometer • Engine: 110cc to 160cc • Fuel: Gasoline • Starting system: Electric • Transmission: Manual (minimum 4 speeds) • Brakes: Front disc, rear drum (minimum) • Tank capacity: ≥ 8 liters Maximum speed: ≥ 90 km/h • Average consumption: ≥ 35 km/1 • Tires: 17" or compatible with road use • Panel: Digital

Lote 3

Amount of	Designation of the asset	Technical specifications of the asset
		8x4 dump truck or equivalent - Volumetric capacity of the cargo box: Minimum 28 m^3 - Payload capacity: ≥ 15,000 kg Engine: Diesel, minimum power of 350 HP - Curved box, bottom and sides with a minimum of 5mm Hydraulic support cylinder and PTO

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05	20 m³ Garbage Compactor Trucks	- Hydraulic device lock Sewage tank: Side suspended Rubber Seal Type Transmission: Manual or automatic Tilting system: Rear hydraulic reinforced- Cabin: Closed, with air conditioning Power steering Tires: Reinforced radials for heavy loads Fuel tank: ≥ 400 liters Equipped with spare wheel, triangle, fire extinguisher, and kit of tools Complete documentation for circulation within the national territory Cabin with bed
05	20 m³ Dump Trucks	6x4 or larger dump truck Volumetric capacity of the cargo box: Minimum 20 m³ Payload capacity: ≥ 15,000 kg Engine: Diesel, minimum power of 350 HP Transmission: Manual or automatic Tilting system: Rear hydraulic Cabin: Closed, with air conditioning Power steering Tires: Radials, suitable for operations mixed (urban and rural) - Fuel tank: ≥ 300 liters - Equipped with spare wheel, triangle, extinguisher, and kit of tools - Complete documentation for circulation within the national territory