

tender no:ERI/2024/LS/01

LOGISTICS SERVICES

FLEET

TECHNICAL SCOPE OF WORK

On Site Tyre Maintenance, response on breakdowns and Replacement of tyres on Breakdown as and when required basis

A supplier is needed for the maintenance of tyres for Eskom RoteK Industries Logistics fleet across South Africa. The ERI fleet consist of numerous vehicles with deferent tyre sizes as explained in the fleet list. The supplier should be able to assist with any tyre maintenance on a 24/7 as when required.

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1. Fleet Composition / Configuration

Logistics service consists of three divisions:

- Multi-Axle
- Operations
- Waste
- Fleet trucks

The Operations and Waste fleet comprises of:

Configuration	Number of Vehicles	Type of Tyres
Truck-tractor 6x4	200	315/80R22.5 18J
Rigid 6x4	100	315.80R22.5 18J
Rigid 6x2	50	1000/20 14 J
Rigid 4x2	30	315/80R22.5 18J
Tri-Axle trailers	155	315/80R22.5 18J
Tandem Axle trailers	20	315/80R22.5 18J
Drawbar trailers	30	1100/20 14J
All vehicles mounted with crane behind cab will have super singles on steering axles	120	385/65R22.5 18J
TOTAL	705 Units	

Note: Logistics Operations have truck tractors that have crane mounted applications and due to the loading on the front axle have opted for the 385/65R22.5 18L size tyre

MULTI-AXLE FLEET

The Multi-Axle fleet comprising of super-load abnormal vehicles utilizing large vehicles from 6x4, 6x6, 8x8 and 10x10 configurations. The Multi-Axle fleet has forty-three truck tractors and numerous module and beam trailers.

The Multi-Axle fleet comprises of:

CONFIGURATION	NUMBER OF VEHICLES	Type of Tyres
Tractomas 8x8	18 (216 tyres)	445/95R25
MAN 33.480 6x4 tractor	2 (20 tyres)	315/80R22.5
MAN 26.502 6x4 tractor	2 (20 tyres)	315/80R22.5
Tractomas 10x10	4 (64 tyres)	445/95R25
MAN 40.502 6x6	3 (30 tyres)	1400R20
MAN 40.700 6x6	2 (20 tyres)	1400R20

Western Star XD6900 8x6	6 (84 tyres)	315/80R22.5
Nicolas 2 x 10 axle trailer	1 (160 tyres)	215/75R17.5
Nicolas 2 x 11 axle trailer	1 (176tyres)	215/75R17.5
Nicolas 2 x 13 axle trailer	1 (208 tyres)	215/75R17.5
Nicolas 2 x 13 axle trailer	1 (208 tyres)	215/75R17.5
Nicolas 2 x 12 axle trailer	1 (288 tyres)	215/75R17.5
Nicolas 2 x 12 axle trailer	1 (288 tyres)	215/75R17.5
Nicolas 2 x 20 axle trailer	1 (480 tyres)	215/75R17.5
Cometto 2 x 14 axle trailer	1 (336 tyres)	215/75R17.5
GIANT Nicolas 2 x 20 axle	1 (480tyres)	215/75R17.5
Nicolas 20 axle trailer	1 (240 tyres)	215/75R17.5
Nicolas 12 axle trailer	1 (96 tyres)	215/75R17.5
Nicolas 12 axle trailer	1 (96 tyres)	215/75R17.5
Nicolas 8 axle trailer	1 (64 tyres)	215/75R17.5
Nicolas 8 axle trailer	1 (64 tyres)	215/75R17.5
100ton low bed	1 (40 tyres)	295/70R22.5
70-ton low bed	1 (40 tyres)	295/70R22.5
80-ton low bed	2 (80 tyres)	825R20
60-ton low bed	1 (30 tyres)	825R20
45-ton low bed	1 (30 tyres)	1100R20
35-ton low bed	1 (30 tyres)	1000R20
30-ton low bed	1 (30 tyres)	1000R15
30-ton low bed	1 (30 tyres)	1000R15
Module trailer	8 (1028 tyres)	215/75R17.5

2. Scope of Work

Logistics Services require that the successful tender takes over responsibility of the tyre maintenance facility at the depot in Johannesburg and controls / co-ordinates all activities related to tyre maintenance, repairs, and breakdowns. The tender pack must also include that all tyres must be monitored using a computer software package and monthly reports must be presented to the customer on the status of the tyres on each combination operating throughout South Africa. At the depot in Rosherville Johannesburg there is an office facility plus tyre bay with a common line operated compressor. This contract states that the successful tender must have the required tools to perform the duties; Logistics Services will not provide any tools. The supplier must have a suitable vehicle with a mobile compressor to carry out breakdowns that are within 200km radius.

2.1 on-site maintenance: -

- Tyre pressure maintenance of all vehicles within the depots
- Tyre fitments - remove / replace all the tyres as required.
- Puncture repair.
- Control and enforce that tread depth does not go below **5mm** on truck tractors and **4mm** on trailers.
- All vehicles operating within the fleet must have valve extensions and caps.
- All vehicles must have check points minimum four per tyre.
- Check that all wheels are torque to correct according to specification.
- A database must be in place to monitor all recap tyres date, time, and number of times the casing has been re-treaded / capped.
- Brand number embedded on the sidewall that does not exceed a controlled depth as specified by the tyre OEM.
- Logistics services will provide electricity and air at the desired point only.
- The labour requirement is one (1) supervisor and six (7) fitters for the period of the contract.
- A full and detailed report must be provided as to why tyre casing is scrapped and not recapped.
- The supplier must have a bakkie (1) One tonne, fully equipped with tools to carry out breakdowns.

List of tools required tabled below:

1x Compressor up to 8 bars.	60 m air pipe (3/4 diameter)	2 x Bead seaters (cheaters)
2x Torque wrench up to 550Nm	8 x Heavy duty Tressels	16-pound hummer
2 x Torque wrench adaptors	4xHydraulic Jack (2x 30ton, and 2x 60 tons)	1 x Tyre buffer
2 x Torque wrench extensions	4x Tubeless tyre lever	4 x bead keeper
2 x Heavy duty power bar	4 x tube type tyre lever	1 x Branding Iron
1 x Torque Multiplier	2x Bead knockers	Set of Gaiter toolkit
1 x Wheel mate	2 x Bead seaters (cheaters)	2 x Heavy duty Impact wrench
1 x Automatic inflator	1 x Tyre repair Stitcher	Spanners (10mm to 27mm)
2 x Manual inflators	Set of Hydraulic body repair kit	Heavy duty socket set (Size 17mm to 41mm)
6 x Pressure gauges		

2.2 Breakdown Service to be provided.

- The supplier should be able to provide roadside assistance within 200km radius from key cities with nationwide support.
- The supplier should have national footprint.
- Able to repair tyre puncture.
- Replace tyre if is beyond repair.
- The breakdown response time should be within an hour (1) and completion turnaround time not longer than (4) hours.

3. Reports to be provided monthly to customer (Tyre control software mandatory)

- Monthly scrap tyre analysis.
- Monthly tyre performance sheet.
- Tyre pressure analysis.
- CPK based on expenditure.
- Review report tyre brands within the fleet new and recap / re-tread.
- Review report new tyre brands on front steer / drive axles.
- Downtime of vehicles on breakdowns.
- Number of tyre breakdowns in the month.
- Number of new tyres fitted on breakdowns.

4. Safety SHE

Logistics Services is ISO 9001/18001/14000 certified and conformance to these ISO standards and other applicable legal requirements is of utmost importance. The successful tender will follow all safety rules at all the times when doing work for Logistics Services at the depot or any other area. The tender shall ensure that all contractors working under their control meets the standards and requirements of Logistics Services SHEQ business management system.

The tender will be issued with a comprehensive SHE specification upon award of the contract which the requirements will have to be fulfilled before work can commence. The tender will also be required to go through the on-boarding process which amongst others, includes but not limited to induction and orientation. Compliance to the requirements of the SHE specification will be monitored through periodic audits and inspections.

Signatories

Developed by: Mutshinyani Baloi



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Date.19/12/2023
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Supported by: HOD: Mike Masondo



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19/12/2023
Date.....