



MONTRA
— ELECTRIC —

125
Years Trust

of
murugappa

India's 1st EV Truck

EVolutionising The Indian Trucking Industry

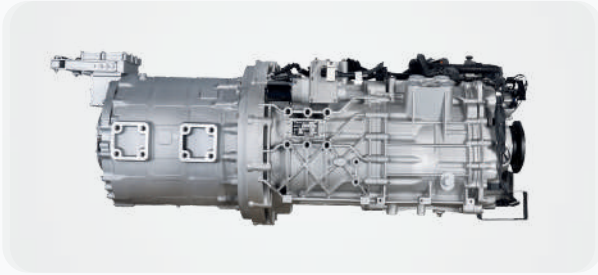


The **RHINO** Range of **EV** Trucks

Your Prosperity Partner - The Green Way



Technology & Aggregates



Motor & Gear Box

- **PMSM** - Permanent Magnet Synchronous Motor
- Power - **280 kW** & Torque - **2000 Nm**
- 6-speed **AMT** (Automated Manual Transmission)



Battery Assembly

- **282 kWh LFP** (Lithium Iron Phosphate) battery
- Optional - **Swappable Battery**



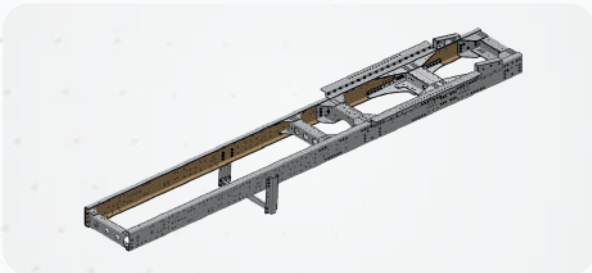
Motor Control Unit (MCU)

- Three phase MCU is an electronic module to control vehicle speed and acceleration.
- Liquid cooled.



Power Distribution Unit (PDU)

- PDU distributes the battery power to other control units



Chassis Frame

- 2 layer heavy duty frame



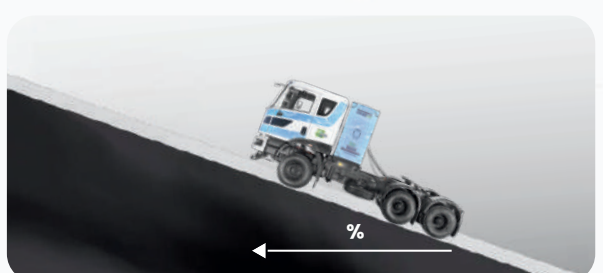
Front & Rear Axles

- Heavy Duty **Proven & Reliable** axles



Suspension

- Strong & reliable suspension
- Rhino 5538 EV 4x2 TT - FR (Parabolic), RR (Semi elliptical)
- Rhino 5538 EV 6x4 TT - FR (Parabolic), RR (Bogie suspension)



Gradeability

- Rhino 5538 EV 4x2 TT - **18%** (continuous)
- Rhino 5538 EV 6x4 TT - **20%** (continuous)

* The images are only dipective, the technical specifications are subject to change without prior information.



Technical Specification

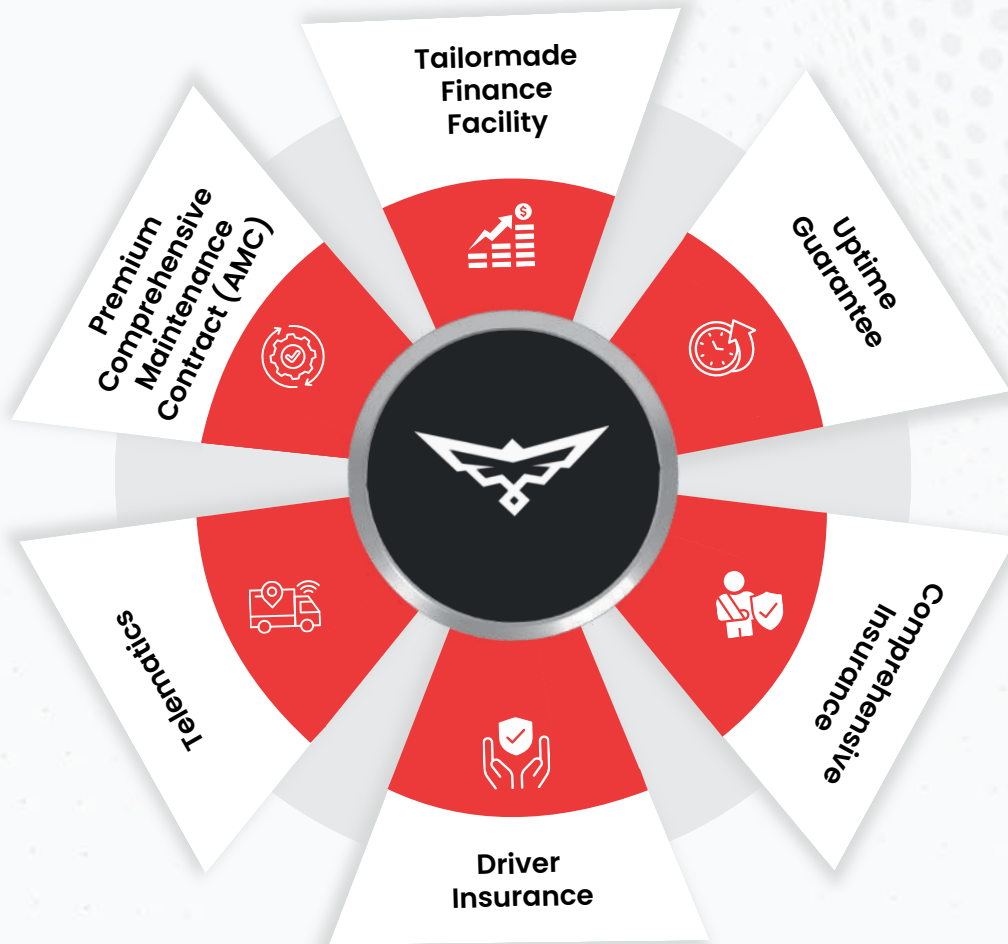
Model	4X2 Tractor Trailer	6X4 Tractor Trailer
		
Motor	PMSM - Permanent Magnet Synchronous Motor	
Battery	282 kWh LFP (Lithium Iron Phosphate)	
Maximum Power	280 kW	
Maximum Torque	2000 Nm	
Transmission	6-Speed AMT (Automated Manual Transmission)	
Brake	Full Air dual line S-cam brake with ABS	
Steering	Tilt & telescopic power steering	
Charging Time	60 mins (SOC - 20 - 100%) Battery Swapping Time - 7 mins	
Charger Type	240 kW - CCS 2 dual gun	
GCW (Gross Combination Weight)	55000 kgs	
Wheel Base	4000 mm	
Turning Circle Diameter	16 m	
Tyre	295/90 R20, Low CRR	
Cabin	D+1, Tiltable sleeper cabin, fully suspended	
Trailer Compatibility	Trailer - Skeleton, Flat bed, Side wall, Tip trailer, Bulker	
Front Axle	Forged "I" beam Reverse Elliot type	
Front Suspension	Parabolic leaf suspension with shock absorber	
Rear Axle	Single reduction solo drive axle, 5.38 RAR	Single reduction tandom, 5.29 RAR
Rear Suspension	Semi elliptical suspension Two stage hybrid leaf spring	Bogie Suspension
Ground Clearance	230 mm (Laden)	265 mm (Laden)
Gradeability	18% (continuous)	20% (continuous)
Range	198* km (single charge)	169* km (single charge)

*Under standard test conditions. One side load, one side empty.

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Value Added Services



Benefits:

- Premium Comprehensive Annual Maintenance Contract (AMC)
- Uptime Guarantee
- Tailormade Financing Solutions
- Comprehensive Zero Dep Insurance
- Telematics
- Driver Insurance Program

Contact Us

Montra Electric eM&HCV (IPLTech Electric Pvt. Ltd.) (A **Murugappa group** EV venture & a subsidiary of TI Clean Mobility Pvt. Ltd.)

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