

# THE BHARATBENZ SCHOOL BUS

Ride protected. Ride happy.



**BHARATBENZ**

While our children enjoy a peaceful environment at home and school, the journey between is filled with chaos. Protecting them from air pollution, noise pollution and other pollutants is our duty. Let's make their ride to school not just joyful, but safe too. Presenting the BharatBenz School Bus.



# RIDE PROTECTED

In compliance with the AIS-063 CMUR Bus Body Code, the BharatBenz School Bus offers advanced safety features that safeguard children throughout their journey. The Anti-lock Braking system reduces the stopping distance to provide efficient braking. Every seat comes with a seatbelt of its own to protect children during emergency braking. The patented aluminium body is extremely robust and the low center of gravity increases stability.

The interiors are made of fire retardant plastic and fabric for effective prevention of fire. The service door comes with a stop sign to alert vehicles when the school bus stops.

To ensure maximum safety in case of an emergency, the BharatBenz School Bus is provided with a buzzer in the driver's cabin to alert the driver to open the emergency door immediately. The emergency beacon and public announcement system enable the driver to alert students in such a situation.

Optional safety features in the bus include a sports kit carrier, reverse parking camera, smoke detectors, fire alarm, fog lamps, GPS connectivity and a CCTV camera.



# RIDE HAPPY



## Unique chassis design

The BharatBenz School Bus comes with a large frame width and tubeless radial tyres to enhance the stability of the vehicle during high speed cornering. The front and rear anti-roll bars provide enhanced stability and better road grip.

## Unmatched braking

The exhaust brakes reduce the wear of brake pads and guarantee safer driving on speed gradients. The higher frame width of the brake lining enables effective braking as it has more tractional area.

An electronic pressure sensor accurately monitors the air pressure in the brake chambers and the VOSS connectors minimize the leakage of air, thus leading to effective braking. The Anti-lock Braking system gives the driver easy control of the vehicle during emergency stops.

## Rigid body, safe interiors

The unique structure of the BharatBenz School Bus comes with a proven roll-over strength. The vinyl flooring is furnished with an anti-skid top layer for children to walk through safely and easily. Furthermore, the emergency exit is located strategically to allow quick evacuations.

## For children

The vehicle's unmatched engine power ensures that air conditioning is never compromised, no matter what the weather condition is. The parabolic suspension minimizes the transfer of road undulations and the optimally tuned shock absorbers make for the best school-ride experience in the country. The wider bus body provides enough space for wider seats and gangways, while the best-in-class wheelbase facilitates better seat pitch. The retractable lowered first step helps in easy access while boarding and alighting.

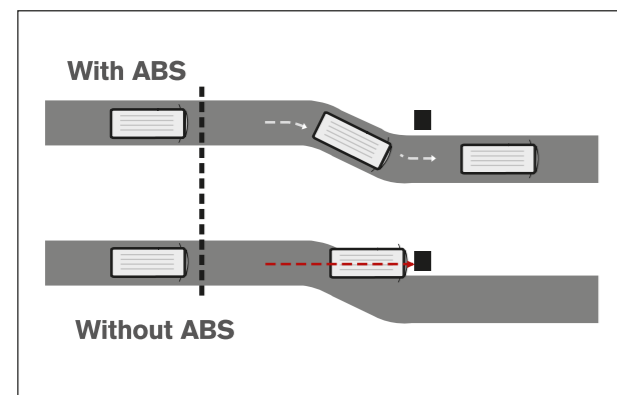
## Lesser noise and vibrations

Calm journeys are guaranteed as the vehicle comes with a CRDi (Common Rail Diesel injection) engine that reduces noise and vibrations. The square-shaped 4D34i 4-cylinder, BS III/BS IV, turbo-charged inter-cooled engine has a common rail fuel injection system for lower engine noise level. Noise levels are minimized by the M036 6-speed transmission with an overdrive gear. The cable shift promises zero vibration to ensure a serene drive.

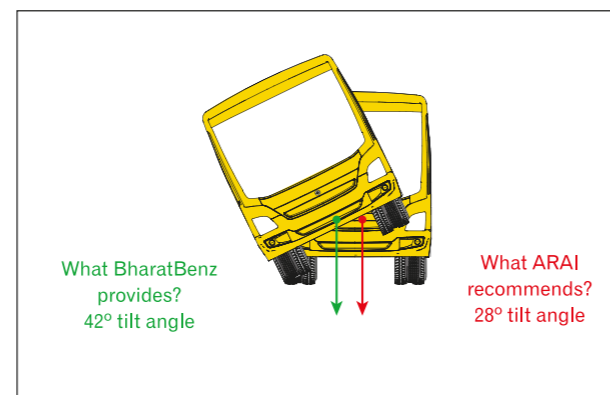
## For the driver

Drivers can make the most of the tiltable and adjustable steering system for a carlike driving experience. The triple cone synchronizer results in smoother shifting and the flat torque engine enables lesser gear shifting. While the aluminium alloy structure leads to lower gross vehicle weight and higher acceleration, the shorter turning circle diameter makes driving on narrow roads easy.

The rigid bus body with the bonded and bolted saloon floor and roof assembly eliminates squeaks and rattles. Expect zero noise and vibration with the chemically locked structure and insulated interiors.



Anti-lock Braking System

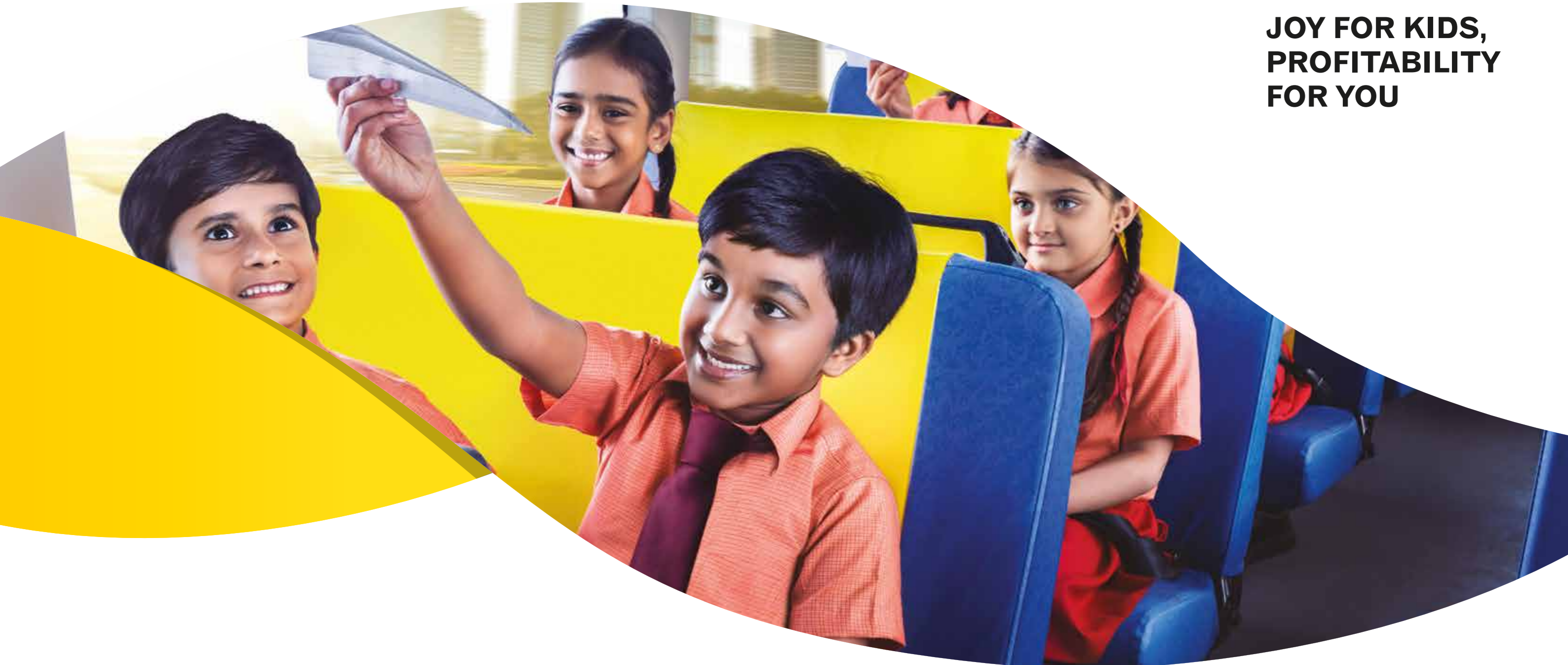


Roll-over strength



Retractable lower step

**JOY FOR KIDS,  
PROFITABILITY  
FOR YOU**



**Fuel efficiency**

Discover matchless performance and superior fuel efficiency with the BharatBenz School Bus. Its CRDi engine has a high pressure common rail for better fuel mixing, viscous fan for greater cooling and is ECU-controlled. The 4 valves/cylinders improve the flow of fresh air and exhaust gases, while the vehicle's rear axle comes with an optimal rear axle ratio. Together, they ensure higher efficiency across all terrains.

The patented aluminique structure leads to lower body weight and the aerodynamically designed body ensures lower drag resistance, thereby enabling high fuel efficiency.



Lightweight aluminique alloy frame

**Lesser travel time**

The BharatBenz School Bus is designed to ensure lesser travel time. Its engine comes with a high power of 170 hp @ 2500 rpm to provide better acceleration and higher speeds. With a torque of 520 Nm @ 1500 rpm, expect easy climbing on gradients. The M036 6-speed transmission with overdrive gear delivers faster output. The vehicle's tubeless tyres with higher operating speeds contribute to higher cornering speeds and its higher wheel lock angle results in a lower turning circle diameter.



Gear Lever



Rear axle



## DURABILITY THAT ASTONISHES

The unique chassis design of the BharatBenz School Bus delivers unmatched endurance and incomparable reliability. The chassis comes with a serrated flange coupling to reduce the stress on fasteners. While the floor is made of marine grade wood, the concentric slave cylinder enables clutch actuation to ensure zero mechanical linkage. The special purpose fasteners prevent the loosening of chassis bolts.

The bus guarantees lesser power consumption with a 24V battery. Also, its non-metallic air filter minimizes corrosion and maximizes durability.

The M036 6-speed transmission with the aluminique alloy gearbox housing allows better heat dissipation and the ground gears with short peening resist the pitting of gear teeth.

The banjo type rear axle enhances the strength of the vehicle and the bore on steel stub axle increases reliability and durability while carrying heavy loads.

### Enduring design

Made with aluminique alloy, the body of the BharatBenz School Bus resists corrosion and rust, therefore ensuring longer life. Unlike welded joints, the bolted construction prevents cracking. Expect a longer, rust-free life with the powder coated chassis frame. The alligator type cross member strengthens the chassis, while the enhanced web height enhances its load-bearing ability.

### Amazing finish

Designed to amaze everyone, the vehicle comes with a patented aluminique body. The panels and FRP are smoothly joined together. Its modular side panels are easy to maintain. The bus comes with higher quality trims, a glossy finish, thanks to poly-urethane paint and has high-end solids.

## LESS MAINTENANCE, MORE SAVINGS

The BharatBenz School Bus is thoughtfully engineered to ensure minimal maintenance. Optimized intervals for changing engine oil and axle oils, and checking the oil filter and transmission bring down the overall cost of maintenance. It helps to keep the bus on the road longer. The thick brake lining enhances the life of brakes and the special organic material of the clutch lessens the wear due to heat generation. The poly-urethane paint resists UV rays efficiently and contributes to the vehicle's longer life.



Brake Lining



# COMMITTED FOR THE LONG HAUL

BharatBenz is committed to the Indian transport industry. Our rigorous study of the conditions has enabled us to build buses ready to take on the challenges of the Indian terrain and businesses head on. Our state-of-the-art manufacturing plant near Chennai is only one of the many steps in our journey on Indian roads.



SERVICE THAT LOOKS AHEAD FOR YOU

Designed to deliver



Dealership

- Most reliable buses with world-class aggregates to ensure maximum uptime
- Best-in-class warranty period to guarantee complete peace of mind
- Driver-friendly alert signals to ensure preventive maintenance

Experience expertise



Mobile service van

- Highly skilled service staff to ensure quick and perfect service every time

- Online technical information platform – Ascent (After Sales Central), a multilingual, animated system to facilitate information access at all service centres
- Advanced diagnostic systems to aid in troubleshooting and eliminating unforeseen problems
- Mobile service workshops to ensure reach within 4 hours in case of emergency
- Exclusive 24x7 customer support and technical hotline for all service needs. Call on our toll-free no.: 180030012345 or email us at [dicv\\_service@daimler.com](mailto:dicv_service@daimler.com)

Stay a step ahead



Ascent

- Maintenance Pack that will take care of all maintenance-related needs
- Extended Warranty to ensure high-cost aggregate repairs be the least of your concerns for up to 5 years
- BharatBenz Insurance, a cashless facility with towing and zero-depreciation features to ensure quick repairs anywhere in India

## BHARATBENZ Financial

- Structured EMI payback options customized to suit your business's cash flow
- Innovative "All in One EMI" provides a fully integrated financing solution for the vehicle, maintenance pack, insurance and extended warranty
- 24x7 customer support to provide hassle-free claims management across India

## Technical Specifications

## School Bus

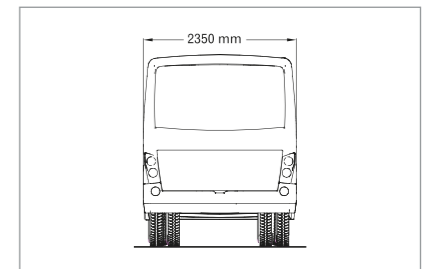
<b>Engine</b>	
Model	4D34i
Type	4 cylinders, vertical in-line, BS III / IV, inter-cooled, turbo-charged
Capacity / displacement	3907cc
Maximum power	170hp (125 kW) @ 2500rpm
Maximum torque	520 Nm @1500 rpm
<b>Gearbox</b>	
Model	M036 S6, Synchromesh
No. of gears	6 forward with overdrive & 1 reverse
<b>Clutch</b>	
Type	Special organic, single disc, ø330 mm
<b>Brakes</b>	
Type	Dual circuit, full air, S-cam type drum
Electronics	Anti-lock Braking System (ABS)
<b>Axles</b>	
Front axle	Heavy-duty reverse elliot 'I' beam
Rear axle	Fully floating type
<b>Suspension</b>	
Type	Parabolic suspension at front and rear
Anti-roll bars	Double-acting telescopic shock absorbers and anti-roll bars at front and rear with stabilisers
<b>Steering</b>	
Type	Power steering, adjustable and tiltable
<b>Tyres</b>	
Type	235 / 75 R 17.5 tubeless radials
<b>Electrical System</b>	
System output	24V
Battery	2 x 12V, 120 Ah
Alternator	160 Amps (twin alternator)
<b>Fuel Tank</b>	
Capacity	160 L
<b>Body Features</b>	
Seats	Bench type seats with under seat luggage racks, chin guards, handholds and aisle side hold
Seat layout/capacity	3 x 2 layout, 49+1 seats (2 x 2 layout, 39+1 seats, HHR)
Floor	Marine grade plywood, anti-skid vinyl top layer
Passenger door	In-swing, pneumatic
Windows	Fixed glass
Emergency exit	Door at rear RHS, rear breakable glass, all windows breakable
Emergency kit	Fire extinguisher (5kg x 2), first-aid kit
Hatrack	Tubular with free-flow vents
Lights	4+1 standard lights distributed through saloon area
Speakers	Provision made with internal wiring, 2 front and 2 rear
Safety features	Seat belts, provision for CCTV, GPS, RFID and navigator, retractable first step, door opening alarm, guarded driver area, stop sign, stop switch at stanchion pipe, light at entry area, emergency alarm
Fitments	Notice board
Optional fitments	Sports kit carrier, destination boards, modular hatrack with individual louvres



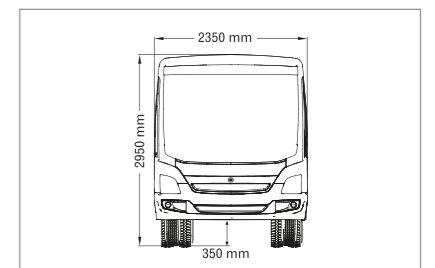
Engine



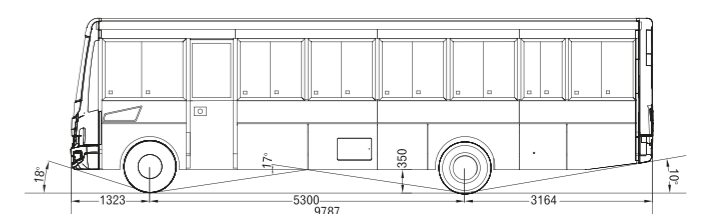
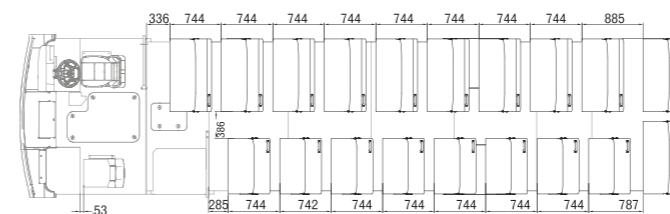
Parabolic Suspension



Rear view

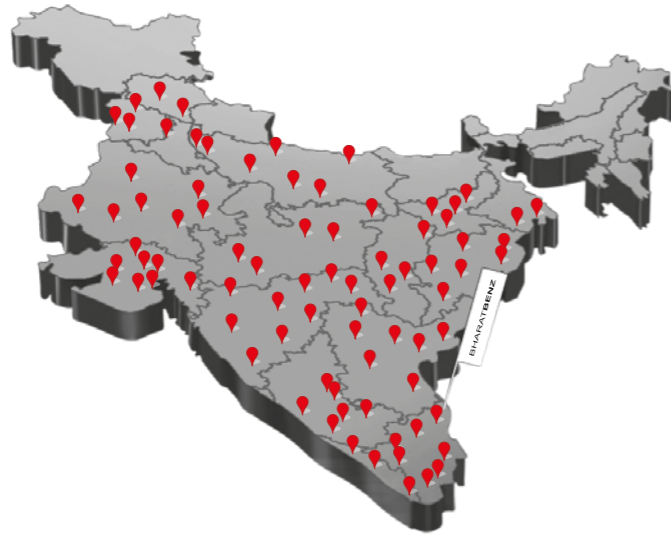


Front view



Note: all dimension are in mm

## World-class dealerships across India



**NORTH INDIA** Punjab: Globe Trucking, Ludhiana, Tel: 0161-3003650 / 08437012503 | Globe Trucking, Bhatinda, Tel: 8437012505 | Globe Trucking, Panthankot, Tel: 8437012513 | Globe Trucking, Jalandhar, Tel: 08725044337 | Haryana: Dhingra Trucking, Dharuhera, Tel: 08130135858 | Dhingra Trucking, Karnal, Tel: 9729996841 | Rajasthan: Kamal Trucking, Udaipur, Tel: 08003496421 | Kamal Trucking, Jaipur, Tel: 8875077009 | Kamal Trucking, Kota, Tel: 7728891101 | Marwar Trucking, Bikaner, Tel: 7728888110 | Marwar Trucking, Hanumangarh, Tel: 7023003107 | Uttar Pradesh: Society Trucking, Lucknow, Tel: 9235568670 | Society Trucking, Kanpur, Tel: 07800001302, 09235392005 | Arvind Trucking, Agra, Tel: 08191904902 | Rajendra Trucking, Gorakhpur, Tel: 8601872866 | Rajendra Trucking, Sonbhadra, Tel: 9415147849, Rajendra Trucking, Varanasi, Tel: 8601872852 | Espirit Trucking, Ghaziabad, Tel: 7291988508 / 0120-2802100 | Himachal Pradesh: Anand Trucking, Mandi, Tel: 8894000555 | Anand Trucking, Solan, Tel: 01792-645625 / 9805002321 | Anand Trucking, Baddi, Tel: 01792-645625 | **EAST INDIA** Jharkhand: BEBBCO Trucking, Dhanbad, Tel: 09204052480 | BEBBCO Trucking, Ranchi, Tel: 0651-2271281 | BEBBCO Trucking, Jamshedpur, Tel: 0657-6050555 / 09204052480 | West Bengal: N R Trucking, Kolkata, Tel: 07439019563 | N R Trucking, Bardhaman, Tel: 07439019564 | Orissa: Shree Bharat Trucking, Balasore, Tel: 09583106448 / 09583106450 | Shree Bharat Trucking, Behrampur, Tel: 09583106448 | Shree Bharat Trucking, Cuttack, Tel: 09583106448 / 09583106450 | Shree Bharat Trucking, Keonjhar, Tel: 09583106448 | Shree Bharat Trucking, Sambalpur, Tel: 09583106448, 09583106450 | Shree Bharat Trucking, Rourkela, Tel: 0661-6451096, 6451996 | **CENTRAL INDIA** Madhya Pradesh: Kasliwal Trucking, Indore, Tel: 0731-3081800, 09630096356 | Kasliwal Trucking, Bhopal, Tel: 9826567419 | Frontier Trucking, Jabalpur, Tel: 7771003200 | Frontier Trucking, Satna, Tel: 07771003215 | Frontier Trucking, Singrauli, Tel: 07771003215 | Chhattisgarh: Satya Trucking, Korba, 07759-279660 / 09584881999 | Satya Trucking, Raipur, Tel: 0771-4020128, 07869919585 | Satya Trucking, Raigarh Tel: 07509960722 | **WEST INDIA** Gujarat: Kataria Trucking, Ahmedabad, Tel: 0271-7327711 / 09624004352 | Kataria Trucking, Surat, Tel: 09624052600 | Kataria Trucking, Vapi, Tel: 09924446266 | Kataria Trucking, Baroda, Tel: 9924290189 | Sealand Trucking, Gandhidham, Tel: 09879617076 | Sealand Trucking, Rajkot, Tel: 09228001140 / 09909998452 | Sealand Trucking, Veraval, Tel: 09228001141 / 09909998452 | Maharashtra: Wasan Trucking, Mumbai-Panvel, Tel: 02143-220100 / 09167976660 | Wasan Trucking, Mumbai-Vasai, Tel: 0250-6636900, 09167976660 | Kale Trucking, Chandrapur, Tel: 07172-270368, 08380046422 | Kale Trucking, Nagpur, Tel: 0711-8606566 / 08605696677 | Kale Trucking, Nanded, Tel: 08380046437 | Ghatge Trucking, Kolhapur, Tel: 08888447700 / 0888820428 | Ghatge Trucking, Pune, Tel: 020-22933001 / 08380011922 | Ghatge Trucking, Sholapur, Tel: 08975451600 | **SOUTH INDIA** Karnataka: Trident Trucking, Chitradurga, Tel: 08194-200202 / 07353751029 | Trident Trucking, Shivamoga, Tel: 0824-6611900 | Trident Trucking, Mangalore, Tel: 0824-2290633 / 7353753012 | Trident Trucking, Bangalore, Tel: 080-27733253 / 07353750688 | RNS Trucking, Belgaum, Tel: 7760964701 | RNS Trucking, Hospet, Tel: 7022025524 | RNS Trucking, Hubli, Tel: 0836-2480060 / 07760964701 | Andhra Pradesh & Telangana: Sri Harsha Trucking, Hyderabad, Tel: 040-24113118 / 117 / 116 | Sri Harsha Trucking, Kodad, Tel: 08683-284444 / 08978380436 | Sri Harsha Trucking, Anantpur, Tel: 08554-251455 | Varun Trucking, Nellore, Tel: 0861-3041410 / 09885355547 | Varun Trucking, Vijayawada, Tel: 0866-3984142 / 09440175396 | Varun Trucking, Vizag, Tel: 0891-3050099, 08297296111 | Tamil Nadu: KUN Trucking, Chennai, Tel: 044-26271199 / 09840025353 | KUN Trucking, Vellore, Tel: 04172-266106, 07708060944 | Jayaraj Trucking, Madurai, Tel: 0452-2464147 / 09244227703 | Jayaraj Trucking, Tirunelveli, Tel: 09244222773 / 09043003723 | Jayaraj Trucking, Trichy, Tel: 09244422103 / 09043003717 | Prabal Trucking, Coimbatore, Tel: 08489901923 / 08489901939 | Prabal Trucking, Salem, Tel: 08489901909 / 08489901919 | Prabal Trucking, Sankari, Tel: 09824006017 | Prabal Trucking, Tirupur, Tel: 07359211165 | Prabal Trucking, Hosur, Tel: 04344 655509 | Kerala: Autobahn Trucking, Kozhikode, Tel: 0483-2832355 / 08606100004 | Autobahn Trucking, Tel: 0484-2379000 / 08606100002 | Autobahn Trucking, Palghat, Tel: 07728888110 | Autobahn Trucking, Trivandrum, Tel: 0471-2617399 / 08606100003.



**BHARATBENZ**

Power Ahead



**Daimler India Commercial Vehicles Pvt. Ltd.**

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