

Safetech



Introduction to SAFETECH

SAFETECH derives its name from two words – “**SAFE**” (Which means Built with Care , Durable & Intact) and “**TECH**” (Which means Technologically advanced) .Thus our name symbolizes our products being **UTMOST SAFE in NATURE** and Latest advancement in technology and research.

The **Automobile Division** is a part of the renowned **SAFETECH Group** Of industries operating in West Bengal, Jharkhand, Chattisgarh & Gujarat with decades of experience in Steel Fabrication & Body Building. SAFETECH was established in 1981 as a part of the groups diversification plan with three main divisions - Automobile division, Material Handling Division & Structural division. The Automobile division caters to the ever increasing demands for all types of commercial vehicle bodies like Tip Trailers, Flat Bed Trailers, Box Trailers, Car Carriers, Tippers etc.

The **Structural Division** caters to the ever increasing demands of the Warehouse sector supplying heavy fabricated built up columns to Power plants, Bridges, Industrial projects, PEB Sheds & Warehouses etc. We provide PEB - concept to commissioning services in which we design, manufacture and erect the complete structure as per the clients requirement and have a host of completed projects for Central & State Govt. establishments.

The **Material Handling** Division caters to the Growing demands of Steel , Power , Heavy Engineering sectors thereby providing them Right Products such as EOT Cranes (Up to 50 tons) , Goods Lift , Wire Rope Hoists , Pneumatic Hoists , Hydraulic Pallet trucks for the Govt. & Private Sectors of the Indian & EXPORT market.

Our Group has **over 3000 happy & satisfied customers** spanning across the nation & overseas territories

Domestic TIPPER Division Prominent Customers –

SAFETECH is DIRECT OEM to – TATA MOTORS LTD , HYVA Group , CEBBCO Group and Major Transporters & Fleet owners all over India.

Company Profile

To ensure the highest level of quality and consistency, We concentrate our services on core market sectors that reflect the strength and quality of our staff. With our advanced design facility, we offer customers end-to-end solutions for better utilization of their commercial vehicles with lowest unladen weight (ULW). Our profound knowledge of the Indian trucking industry with its harsh road conditions and overburden applications ensures that we offer you a better design and a superior product that gives you the edge over your competition. We have an in house laboratory to keep a strict control on quality.

We are constantly innovating and are excited about creating custom made products for our clients. We keep our products economical and most competitive. Most importantly we have an attitude of being ahead of schedules with an uncompromising standard for safety.

Go with **SAFETECH**, trust it for Robustness, High Reliability, Low Maintenance Costs, Better Efficiency and Consistent Performance.

Our Vision

To set the benchmark of our nations commercial automobile industry by implementing superior innovative technology, competent engineering and excellent customer service; Thus leading the company to enhance its presence in the realm of automobile industry.

Our Mission

To provide high – quality and cost effective solutions, with a clear focus on achieving client satisfaction and on time delivery and execution.

Design

Product designing at **SAFTECH** begins with a fine understanding of customer requirements. The well defined design process comprises concept development, ideation, product design, analysis, refinement, prototype development using the latest CAD/CAM technology and 3D modelling including FEM analysis and Stress/ Strain measurements. Our products are designed and manufactured in compliance with CMVR & ARAI Regulations.

Advantage Safetech :

- Dedicated in-house Design Facility
- Proven Design Methodology
- Team of Experienced Design Engineers for every Vertical
- Suited for Rugged and Tough Indian Conditions
- Light weight Bodies without compromise on Performance



Production & Infrastructure

We are a world class manufacturing unit with Indian ingenuity, Our well-established production techniques and good engineering practices make the difference at **SAFETECH**. Our experienced work men and trained welders are supervised by qualified and experienced engineers. **Equipped with, latest machineries, the state-of-the-art plant is located at Industrial zone of Jamshedpur, the manufacturing axis of India. The company is staffed by qualified engineers, technicians, each with decades of experience and track record of full customer care team, quality inspection team, and a resourceful and well-connected marketing & PR wing that responds zealously to customer queries. The plant is equipped with latest up to date machinery and R & D department, which ensures continuous development and quality. Continuous investment in high technologies, taking initiatives in our client's requirements, and doing things right first time are the key factor behind our success story** Our efficient & lean manufacturing systems ensure that we have shorter delivery cycles and your vehicles are on the road faster.

A well-defined comprehensive inspection method is followed at all stages, including Material Inward, Chassis, Full Body, Aggregate Painting, Final Inspection and Testing Levels.

As the design progresses, the product is developed with rigour, as per stringent specifications, continual improvements & value-additions, ensuring that it is extremely reliable with very low maintenance. Strength, durability and performance of our products are the key results of our well renowned production system.

Bringing out the best out of every SAFETECH product is a team of dynamic and dedicated engineers who love the challenges of delivering the very best to take on badroads, rougher rain and harsh weather conditions.

Why Choose Us

- Cut to length Sheets used to ensure Zero Joints.
- Shot/Sand blasting done after Cubing which ensure best paint finish in welding joints.
- High tensile & high yield strength steel used from SAIL , JSW , TATA
- World class infrastructure with modern machineries & JAPANESE Welding Lines
- 5000 MM HYD PRESS BRAKES & HYD SHEARING MACHINES - 500 Tons TANDEM LINE
- Best work force & Quality norms in this sector. Timely Deliveries & Execution.
- Tested & Certified Products.



Surface Treatment

The blazing sun, the blowing wind, the pouring rain, dust, smoke, saline environment... trucks and trailers have to weather it all. At **SAFETECH**, we understand how all this has a telling effect on the life of the vehicle. Just the reason why we have Grit/Sand blasted Surfaces conforming to SAE Standards and superior surface treatment/painting with high Dry Film Thickness (DFT) to prevent corrosion and enhance the longevity of the product. **SAFETECH** has well-equipped painting facilities managed by professional painters.

Our High adhesion paints and primers are procured from **METCON** Only.

- Our blasting is done after complete Cubing is done. We do not blast in SKD condition.
- Grit-blasted surfaces for Superior Life in our state of the art 15 mtr. long blast booth
- Latest Painting Equipments.
- Option of various surfaces - Enamel, Epoxy, Poly Urethane and Special Coatings

Quality

QUALITY-THE WATCH WORD @ SAFETECH

SAFETECH follows a stringent quality control process right from the manufacturing stage to final delivery. Consistent quality assurance is ensured corresponding to the highest industry standards. Our commitment to quality and total customer satisfaction percolates throughout the organization. With a firm commitment to the equality of products and services we make sure that people with professional expertise and personal commitment are on the task.

We work closely with customers to build a relationship characterized by a vigorous and constructive approach to wards quality. Our strong focus and non-compromising attitude towards quality ensures that your vehicles are running despite roughest terrain and inclement weather, safely delivering the cargo to your customer on time, every time gaining their trust and losing no opportunity.

SAFETECH quality check-list:

- Evaluation of Design Quality & Performance
- High Quality of Aggregates & Components
- Usage of High Tensile Steel raw material from reputed suppliers.
- Stringent Material Inspection System
- Experienced Quality Inspectors
- Stringent Quality Checks at every level

After Sales Service

At **SAFETECH** we believe the close of a sale is not the end, but the beginning of a relationship. Giving you an opportunity to experience the SAFETECH warmth, friendliness and commitment to total customer satisfaction.

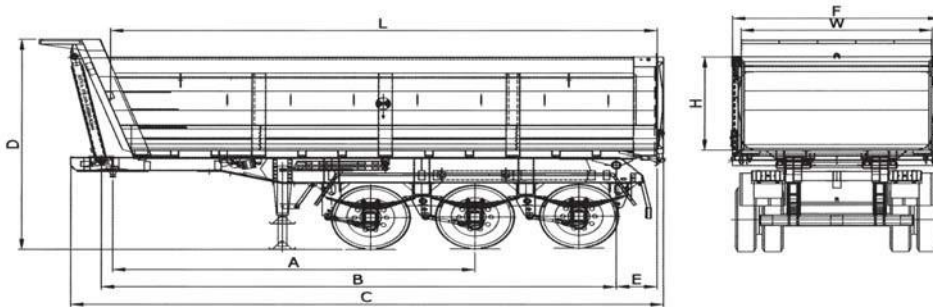
Our after-sales service is tailored to your needs. Whether it is preventive or in response to a situation, you can expect prompt response and attentive service. Our service team has the right people to help you maintain your vehicles and rectify problems quickly. Availability of spares being as important as service, you can be sure of availing good quality spare parts and consumables with SAFETECH.

Products of Our Automobile Division

TIP TRAILERS

SAFETECH offers a wide range of Tip Trailers ranging from 24 Cum to 40 Cum in Triple Axles and 22Cum/24Cum in Double Axle for various make trucks (such as Tata Motors, Ashok Leyland, Bharat Benz, Mahindra & Mahindra etc). The trailers can be designed for several applications such as Coal / Iron Ore / Limestone / Clinker etc.

Volume In m ³	Wheel Base (A) mm	Pivot Length (B) mm	Overall Length (C) mm	Overall Height (D) mm	Rear Overhang (E) mm	Outer Width (F) mm	Angle of Tipping	Internal Dimensions			Axle/Suspension Type	Suitable for prime mover
								L	W	H		
24	4565	6485	7462	3290	510	2620	36°	6882	2400	1450	Tridem	40 MT
26	4565	6485	7462	3290	510	2620	36°	6902	2400	1560	Tridem	40 MT
28	5235	7356	8381	3290	510	2620	40°	7770	2400	1500	Tridem	40/49 MT
30	5235	7356	8381	3290	510	2620	40°	7788	2400	1600	Tridem	40/49 MT
32	5235	7356	8381	3435	510	2620	40°	7806	2400	1700	Tridem	40/49 MT
36	6485	8606	9742	3435	510	2620	43°	9155	2400	1635	Tridem	40/49 MT



SPECIFICATIONS

APPLICATION

Aggregate/Coal / Iron ore.

BODY

All welded steel construction by using ST-52 or equivalent (Min. yield 350 N/mm²).

CHASSIS

Frame made from NPB of pinday make suitably cross braced using ST-52 or equivalent of 5mm Thickness.

AXLES

Square beam Axles of YORK/FUWA/TATA/ASHOK LEYLAND or equivalent make.

SUSPENSION

Heavy duty suspension of 9 spring leaf of FUWA/YORK/TATA makes.

KING PIN

- 2" SAE Boltin type of JOST make or equivalent with retention plate and
- Rub plate of 14 mm thickness.

LANDING LEGS

Twin speed gear operated landing legs with static capacity 60 tons & lift capacity 28 tons.



ELECTRICALS

24V electrical system consisting of rear parking brake & indicator lights, side marker lamps & reflectors.

HYDRAULICS

HYVA/HYPRATEK/HYDROMA SS make or Equivalent Front End Cylinder, Oil Tank mounted on 80 x 80 Square Tube structure, Air control valve, Necessary hoses and fittings, Body clamps.

BRAKES

Dual Line air brake system with air tank, emergency relay valve, T-24 Brake Chambers and mechanical slack adjusters.

SHOT BLASTING & PAINTING

Completely shot blasted and painted with two coats of Zinc Phosphate primer and two layers of Automotive Paint with minimum DFT of 120 microns.

ACCESSORIES

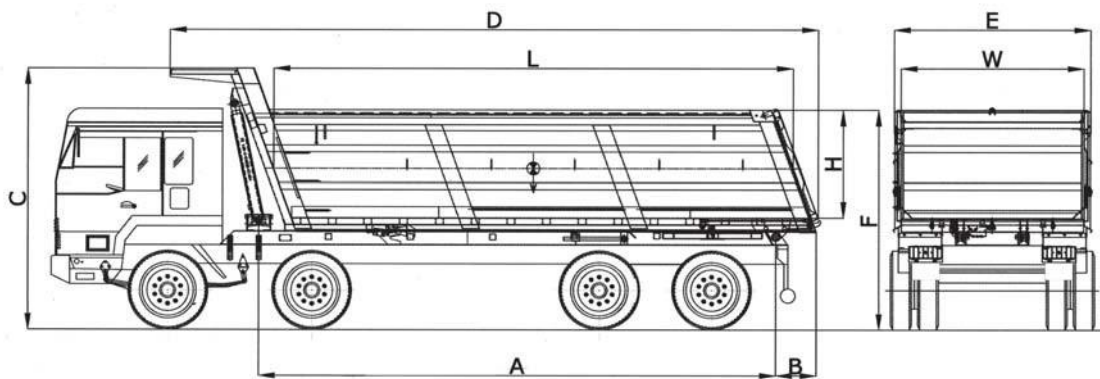
RUPD comes as Standa

TIPPERS

We offer a wide range of Tippers ranging from 8 Cum to 24 Cum for mounting on the chassis of various make Trucks. These tippers can be developed as per the specific requirement of customers and as per several applications.

Volume In m ³	Rear Overhang (B) mm	Overall Body Length (D) mm	Outer Width (E) mm	Rear Overall Height (F) mm	Angle of Tipping	Internal Dimensions			Suitable for Chassis
						L	W	H	
18	504	8106	2482	2631	43°	6500	2280	1215	31 MT
20	504	8106	2482	2766	43°	6500	2280	1350	31 MT
22	504	8106	2482	2901	43°	6500	2280	1485	31 MT

★ Above specifications are on AL 31T Haulagechassis. Also Available for 31T Haulage chassis of all other OEM'S.



SPECIFICATIONS

APPLICATION

Aggregate/Coal / Iron ore.

BODY

All welded steel construction by wear resistant plate (HARDOX/ RUKKI). Options available with ST 52 or equivalent grade steel.

FLOOR

Sandwich type floor with 5mm Bottom plate + 50mm Hardwood + 8mm Top Plate & suitable Rock Breakers.

ELECTRICALS

24V electrical system consisting of rear parking brake & indicator lights, side marker lamps & reflectors.

HYDRAULICS

HYVA / HYPRATEK / HYDRPMASS make or Equivalent Front End Cylinder, Oil Tank, Air control valve, Necessary hoses and fittings, Body clamps.

SHOT BLASTING & PAINTING

Completely shot blasted and painted with two coats of Zinc Phosphate primer and two layers of Automotive Paint with minimum DFT of 120 microns.

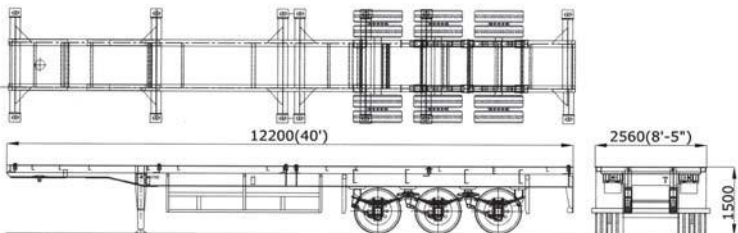


FLAT BED TRAILERS/SKELETAL/ SEMI LOW BED TRAILERS

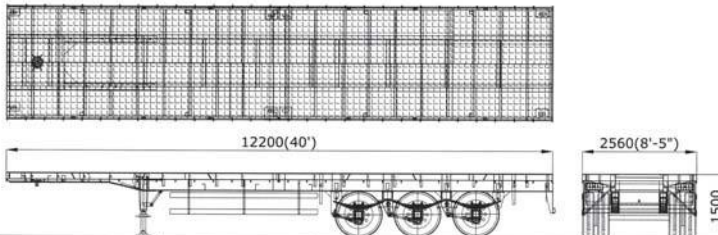
We offer Flat Bed Trailers in 40 feet and 32 feet length in both double axle and triple axle as per customers requirement. Flat bed trailer are trailers open on all sides to facilitate the transporting of longer or wider materials and applications. We also offer Skeletal trailers as per Industry Standards.

We offer Semi Low Bed Trailers in 40 feet and 32 feet length in both double axle and triple axle as per customers requirement. Semi Low Bed Trailers are usually used for transporting of Earth Moving Machines and Heavy Equipments etc. A hydraulic ramp can be provided to facilitate the climbing of machines on Trailer if required and if application demands.

LOW BED TRAILER WITH HYDRAULIC RAMP



WELL BED TRAILER



SPECIFICATIONS

AXLES

Square beam Axles of ASHOKLEYLAND / TATA / YORK / FUWA or equivalent make.

SUSPENSION

Heavy duty suspension of 9 spring leaf of FUWA/YORK make.

CHASSIS

2 nos. Rolled 'I' section BS-4360 with welded cross members.

BED

4mm Chequered sheet (Applicable for FLAT BED TRAILER)

KING PIN

2" SAE Bolt in type of JOST make or equivalent with retention plate and Rub plate of 14 mm thickness.

TWIST LOCK BEAM

150mm x 150mm H Beams.

CONTAINER LOCK

- 12 Nos. ISO Standard retractable Twist Locks for 1x40' or 2x20' Containers. (Applicable for 40' trailer)
- 4. Nos. ISO Standard retractable Twist Locks for 1x20' Containers. (Applicable for 20' trailer)

LANDING LEGS

Twin speed gear operated landing legs with static capacity 60 tons & lift capacity 28 tons.

ELECTRICALS

24V electrical system consisting of rear parking brake & indicator lights, side marker lamps & reflectors.

BRAKES

Dual Line air brake system with air tank, emergency relay valve, T-24 Brake chambers and mechanical slack adjusters.

SHOT BLASTING & PAINTING

Completely shot blasted and Painted with two coats of Zinc Phosphate Primer and two Layers of Automotive paint with minimum DFT of 120 microns.

ACCESSORIES

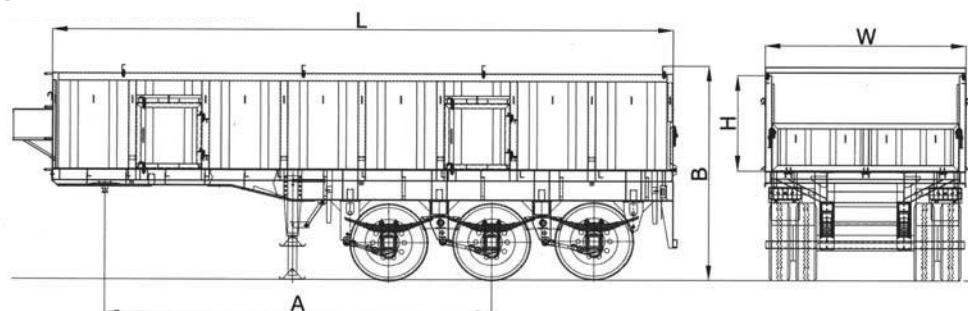
- RUPD • SUPD • TOOL BOX

BOX TYPE TRAILER / SIDE WALL TRAILER

We offer Side Wall Trailers from 26 feet length to 40 feet length in both double axle and triple axle as per customers requirement. Side walls can be provided in Drop down type system and removable type system also if required. We can also provide Coil Well if required for loading of Steel Coils. Side wall trailers are normally used for transporting of packaged material such as Food grains, Cement, Electronic goods etc.

Type In m ²	Wheel Base (A) mm	Overall Height (B) mm	Overall Length (L) mm	Outer Width (W) mm	Outer Height (H) mm	Axle / Suspension Type	Suitable for prime mover
26'x3'	4945	2337	7930	2550	1067		40/ 49 MT
28'x3'	5550	2337	8540	2550	1067		40/ 49 MT
30'x3'	5959	2337	9150	2550	1067		40/ 49 MT
32'x3'	6569	2337	9760	2550	1067		40/ 49 MT

SIDE WALL TRAILER



SPECIFICATIONS

APPLICATION

Coal/Cement Bags/Aggregates.

CHASSIS

2 nos. Rolled 'I' section BS-4360 with welded cross members.

AXLES

Square beam
Axles of YORK/FUWA or equivalent make.

SUSPENSION

Heavy duty suspension of 9 spring leaf of TATA / ASHOKE LEYLAND / FUWA / YORK makes.

KING PIN

2" SAE Bolt in type of JOST make or equivalent with retention plate and Rub plate of 14 mm thickness.

LANDING LEGS

Twin speed gear operated landing legs with static capacity 60 tons & lift capacity 28 tons.

ELECTRICALS

24V electrical system consisting of rear parking brake & indicator lights, side marker lamps & reflectors.

BRAKES

Dual Line air brake system with air tank, emergency relay valve, T-24 Brake chambers and mechanical slack adjusters.

BODY

All welded steel construction by using steel grade IS2062 or equivalent.

SHOT BLASTING & PAINTING

Completely shot blasted and Painted with two coats of Zinc Phosphate Primer and two Layers of Automotive paint with minimum DFT of 120 microns.

ACCESSORIES

- RUPD
- TARP BOX
- TOOL BOX
- SUPD fitment depends on length of Trailer.



ROCK BODY TIPPER

We offer a wide range of Rock Body Tippers ranging from 14Cum to 18Cum for mounting on the chassis of various make Trucks. Rock Body Tippers are made from Special grade steel having highest possible Hardness, Yield Strength and Tensile Strength such as HARDOX/ABRAX/Equivalent Steel. These tippers can be developed as per the specific requirement of customers.



CURTAIN TRAILER

We offer several range of curtain trailers. They can be provided in Fixed Curtain System/ Sliding Roof System/ Curtain Sider Rod System as per the application. These systems offer both safe transportation of the bulky goods and the possibility of easy loading with a crane from above. At the same time the full tarpaulin can be opened very quickly and therefore efficiently and economically by just one person. Curtains can be provided with Branding of a company if required. Curtain systems can be installed in Flat Bed Trailer/ Semi Low Bed Trailer / Side wall trailer as per the application requirement of the customer.



BULKERS

Our Range of Bulklers starts from 20 Cubic to 56 Cubic (Trailer Bulklers) catering to the needs of Cement & Fly Ash Industry.

TECHNICAL SPECIFICATION OF 14/12/14 WHEELER BULKER (25 Cubic to 35 Cubic)

- Volume of Trailer - 25 Cu.m-35 Cubic (26 tons-40 Tons)
- Base Frame - Fabricated Channel
- Shell - 4 mm thick. Mat. MS IS 2062 Gr A - Sail make
- Dish End-6 mm thick. Mat. MS IS 2062 Gr B
- Platform - Grated type, provided full length on one side
- Ladder - 25 mm round pipe, 325mm width.
- Valves - Butterfly Valve.
- Pneumatic & Discharge - ERW Steel Pipes 2 and half ,3 & 5 Inches.
- Safety Valve - Safety Valve Bronze body
- Bar. 10.Indicator - Pressure Gauge 0-10 Bar.
- Air Slide Hose - Tubular Cloth Aeration.
- Discharge Spout-Bottom Discharge, fabricated easy to clean
- Operating pressure - 2.5 Bar
- Discharge time - 30-45 min depending on the Plant Compressor Capacity.
- Painting - One coat Red oxide primer inside & Outside Two Coats of Red Oxide primer & Enamel (Color & Logo as per customer choice)
- Mudguard-Sheet steel fabricated

* Full after sale support throughout India

* Full 1 Year Replacement Gurantee for any defective parts



TECHNICAL SPECIFICATION OF TRIPLE/DOUBLE AXLE TRAILER-BULKER

- Volume of Trailer Bulker - 32 Cu.m Onwards
- Base Frame - Fabricated "" Beam
- Shell - 4 mm thick. Mat. MS IS 2062 Gr A-Sail make
- Dish End - 6 mm thick. Mat. MS IS 2062 Gr B
- Platform - Grated type, provided full length on one side
- Ladder - 25mm round pipe, 325mm width.
- Landing Gear - Telescopic type Heavy Duty.
- Running Wheel Assly. - FUWA or equivalent
- Brake System - Twin Line Air brake system-FUWA or equivalent
- Tyres - Standard 10.00x20-16PR-BIRLA or equivalent
- Valves - Butterfly Valve.
- Pneumatic & Discharge - ERW Steel Pipes 3 & 5 Inches.
- Safety Valve - Safety Valve Bronze body 10 Bar.
- Indicator - Pressure Gauge 0-10 Bar.
- Air Slide Hose - Tubular Cloth Aeration."
- Discharge Spout - Bottom Discharge, fabricated easy to clean
- King Pin-Forged and Heat treated steel
- Operating pressure -2.5 Bar
- Discharge time-30-45 min depending on the Plant Compressor Capacity.
- Painting - One coat Red oxide primer inside & Outside Two Coats of Red Oxide primer & Enamel (Color & Logo as per customer choice)
- Electrical System - 24v DC, Socket as standard pin

* Full after sale support throughout India

* Full 1 Year Replacement Gurantee for any defective parts



GET IN TOUCH WITH US TODAY

PLANT

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