

# Traffic Impact Attenuator – Building Safer Roads with Pioneer Swift

## Introduction

At **Pioneer Swift**, road safety is more than our business — it's our commitment. Every journey should end safely, and our mission is to make that possible through advanced engineering and innovation.



**PS 6000**

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## TRAFFIC IMPACT Attenuator

- Reflective Bands : 4 Nos x4" Width
- Water Capacity : up to 200 litre
- Base Width : 600 MM Dia
- Top Width : 400 mm Dia
- Material : LLDPE / HDPE
- Height : 1000mm

**MORE INFORMATION**

☎ 18004198499

🌐 [www.pioneerswift.in](http://www.pioneerswift.in)

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BEST QUALITY

Our flagship product, the [Traffic Impact Attenuator](#), is designed to minimize crash impact and save lives. Alongside this, our Solar Studs, Speed Breakers, and Noise Barriers provide complete safety solutions for roads, highways, and urban spaces across India.

## Why Choose a Traffic Impact Attenuator?

Accidents are unpredictable, but their impact doesn't have to be devastating. That's why we developed the **Big Sandy Inertial Crash Cushion System (ICS)** — a world-class **Traffic Impact Attenuator** engineered to protect drivers, passengers, and infrastructure from high-speed collisions.



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# Traffic Impact Attenuator

All Big Sandy Barrels are yellow in color and have an outer shell made from energy attenuating plastic. The frangible modules will break upon impact and disperse the contained sand.

**DIMENSIONS OF BARREL**

- ✓ Height:- 1210mm
- ✓ Top Dia:- 900mm
- ✓ Bottom:- 700mm X 520mm
- ✓ Sand Capacity:- 200 lbs to 2100 lbs

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This system is made of free-standing sand-filled barrels placed in a sequence with gradually increasing sand weight. Each barrel absorbs impact energy efficiently, reducing the risk of severe damage or injury.

What makes our design unique is that it:

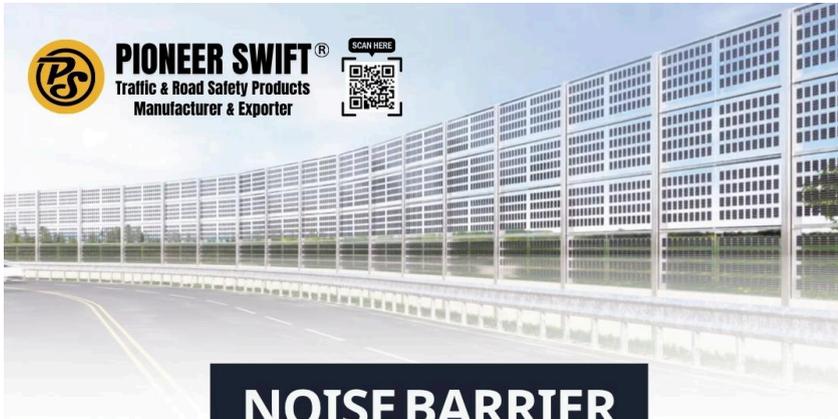
- Requires **no anchoring or special transition**,
- Works effectively on **asphalt, concrete, gravel, or compacted dirt**, and
- Is suitable for both **temporary and permanent installations**.

From **highways and toll plazas** to **construction zones and bridge ends**, our **Traffic Impact Attenuator** offers safety you can rely on — every single time.

When you choose Pioneer Swift, you're not just buying a product; you're investing in **technology that protects lives**.

# Noise Barrier – Peace of Mind on Every Road

Noise pollution is one of the most common yet overlooked urban issues. At **Pioneer Swift**, we design **Noise Barriers** that not only block unwanted sound but also add aesthetic and structural value to modern infrastructure.



**NOISE BARRIER**



**SPECIFICATIONS.**

- Height of Noise Barrier 1000mm (500 x 2Nos)
- Thickness 85mm
- Length of panel 3000mm # Skin Material-0.8mm thick GI Sheet
- Absorptive Face – Perforated GI Sheet
- H Bracket 104mm x 120mm x 2.8mm Thickness.

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Each panel is built using:

- **0.8mm thick GI Sheet with a Perforated Absorptive Face**
- **50mm Rockwool insulation** (96Kg/m<sup>3</sup> density)
- **EPDM rubber gasket and fiber glass water protection layer**
- **Polyester powder coating** for long-term weather resistance

With these advanced materials, our barriers offer exceptional sound reduction and lasting performance for **highways, metro lines, industrial areas, and residential**

projects.

In short, they help create peaceful, safer, and smarter spaces.

## Solar Stud – Light That Leads the Way

Nighttime driving should never mean low visibility. That's why Pioneer Swift [Solar Studs](#) are engineered to illuminate the path — efficiently and sustainably.

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### Enhance Road Visibility with 3M ABS Road Studs!

Built tough with premium ABS and trusted 3M reflectivity, our road studs ensure maximum night-time visibility and long-lasting durability.

From highways to city roads — PIONEER SWIFT keeps your journey safe.

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These solar-powered road markers automatically light up at dusk and switch off at dawn, ensuring visibility from up to 800 meters away. They're weatherproof, energy-efficient, and maintenance-free, making them perfect for highways, parking zones, and fog-prone areas. With Pioneer Swift's Solar Studs, you get safety that shines — powered by the sun.

## Speed Breaker – Small Product, Big Impact

Sometimes, the simplest products make the biggest difference. Our [Speed Breakers](#) are designed to slow vehicles down effectively, protecting pedestrians and preventing road accidents.

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# PLASTIC SPEED BUMPS

**PS 1008**

- LENGTH : 250MM
- WIDTH : 750MM
- HEIGHT : 75MM
- NO. OF REFLECTORS : 2
- LOAD BEARING CAPACITY : 35 TONS

**COLORS** ↑  
**YELLOW & BLACK**

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Made from high-impact resistant rubber and thermoplastic materials, they are:

- Durable and weather-resistant
- Easy to install with a modular design
- Equipped with reflective panels for high night visibility

Whether it's a **school zone, residential street, or industrial area**, Pioneer Swift Speed Breakers ensure safe driving behavior and prevent unnecessary risks.

## Why Buy from Pioneer Swift

We understand that every product you install on a road carries a responsibility — the responsibility to protect lives. That's why at **Pioneer Swift**, we never compromise on safety, quality, or performance.

Here's why thousands of customers trust us:

- **Proven Expertise:** Every design is backed by research, crash data, and real-world testing.
- **Unmatched Quality:** Manufactured under strict quality control using premium materials.
- **Eco-Friendly Manufacturing:** Sustainable production methods that respect the environment.
- **Nationwide Support:** From design consultation to on-site installation and after-sales service.
- **Long-Term Value:** Durable solutions that minimize maintenance and maximize safety.

When you buy from Pioneer Swift, you buy peace of mind.

Our products are built not just to meet standards — but to set them.

## Why You Should Invest in Road Safety Today

Road safety is not an expense; it's an investment — in people, infrastructure, and progress.

By installing the Traffic Impact Attenuator, Noise Barrier, Solar Stud, and Speed Breaker from Pioneer Swift, you take a proactive step toward building safer roads and saving lives.

Every Pioneer Swift product is crafted with precision, engineered for performance, and designed to make an impact — literally and figuratively.

## Conclusion

At [Pioneer Swift](#), we believe that safety is the foundation of every great journey. Our innovative road safety solutions — from the **Traffic Impact Attenuator** to the Noise Barrier, Solar Stud, and Speed Breaker — are built to protect, perform, and last.

Choose **Pioneer Swift** — because safer roads mean a safer tomorrow. Let's build a world where every road leads safely home.

**Visit our product listing to learn more and place your order today!**

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