



GREEN QUEST

INTERNATIONAL PVT. LTD.

EXCELLENCE IN MOTION





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ABOUT US

Greenquest International Pvt Ltd is a trusted **manufacturer of Noise Barriers and Road Signages** delivering world-class solutions in compliance with **EN Standards and IRC Guidelines**.

With a strong commitment to quality, innovation and sustainability, we help create safer, quieter and better organized infrastructure for today and tomorrow.



OUR MISSION

To deliver high-performance infrastructure solutions that enhance safety, reduce noise pollution and add value to communities.



OUR VISION

To be a leading global brand recognized for quality, innovation and customer satisfaction.



OUR VALUES

Quality, Integrity, Innovation, Safety & Sustainability.



OUR COMMITMENT

On-time delivery, customer focus and continuous improvement.

COMPLIANT WITH



Products Manufactured as per EN Standards



Road Signages Designed as per IRC Guidelines



NOISE BARRIERS



ROAD SIGNAGES

KEY HIGHLIGHTS



Manufactured as per **EN Standards** and **IRC Guidelines**



State-of-the-art Manufacturing Facility with Advanced Technology



High Quality, Durable & Corrosion Resistant Products



Experienced Team of Professionals and Engineers



Sustainable Solutions for Noise Reduction and Road Safety

WHY CHOOSE US



Building Safer Roads. Creating Quieter Communities.

With years of expertise in manufacturing Noise Barriers and Road Signages, we are committed to delivering high-quality, durable, and innovative solutions that meet national and international standards. Our products are trusted for highways, expressways, urban infrastructure, industrial zones, and smart city projects.



PREMIUM QUALITY MANUFACTURING

We use high-grade raw materials and advanced manufacturing processes to ensure superior strength, durability, and long service life.



INDUSTRY STANDARDS COMPLIANCE

Our products are manufactured in accordance with applicable IRC, MoRTH, ASTM, EN, and ISO standards, ensuring reliability and regulatory compliance.



COMPLETE INFRASTRUCTURE SOLUTIONS

From acoustic noise barriers to reflective road signages, we offer a comprehensive range of traffic safety and environmental solutions under one roof.



CUSTOM DESIGN & ENGINEERING

Every project is unique. We provide customized designs, sizes, colors, mounting systems, and specifications tailored to project requirements.



ADVANCED MANUFACTURING FACILITY

Our modern production facility is equipped with precision machinery, automated fabrication systems, and stringent quality control processes.



SUPERIOR DURABILITY

Designed to withstand harsh weather conditions, UV exposure, corrosion, and heavy traffic environments, our products deliver long-term performance with minimal maintenance.



QUALITY ASSURANCE

Every product undergoes rigorous inspection and testing before dispatch, ensuring consistent quality and customer satisfaction.



ON-TIME DELIVERY

Efficient production planning and a robust supply chain enable us to deliver projects within committed timelines.



EXPERIENCED TEAM

Our skilled engineers, designers, and technical professionals provide expert guidance from concept to installation support.



CUSTOMER-CENTRIC APPROACH

We believe in building long-term partnerships through transparent communication, technical excellence, and dependable after-sales support.



OUR COMMITMENT



HIGH-PERFORMANCE
PRODUCTS



INNOVATIVE
ENGINEERING
SOLUTIONS



SUSTAINABLE
MANUFACTURING
PRACTICES



COMPETITIVE
PRICING



RELIABLE
TECHNICAL
SUPPORT



TIMELY PROJECT
EXECUTION

ABSORBTIVE NOISE BARRIER

Designed & Manufactured as per
IRC:SP:130-2019

Guidelines for Acoustic Design of Noise Barriers



OVERVIEW

Noise Barriers are effective solutions to mitigate traffic noise and create a quieter environment for communities, sensitive receptors and work zones. Our Noise Barriers are designed, manufactured and tested in accordance with IRC SP 130-2019 to provide optimum acoustic performance, durability and safety.

KEY FEATURES



Designed as per IRC SP 130-2019 standards



High Noise Reduction Performance



Weather, UV & Corrosion Resistant



Modular & Easy to Install

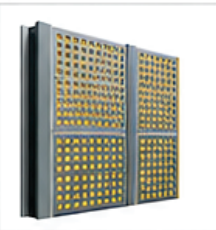


Low Maintenance & Long Service Life



Aesthetically Appealing

TYPES OF NOISE BARRIERS



ABSORPTIVE TYPE

Perforated panels with acoustic infill to absorb traffic noise.



REFLECTIVE TYPE

Solid panels that reflect sound and reduce noise transmission.



COMBINATION TYPE

Combination of absorptive and reflective panels for enhanced performance.

DESIGN CONSIDERATIONS

- ✓ Determination of Noise Reduction Requirement as per IRC SP 130-2019
- ✓ Consideration of Topography, Line of Sight and Receiver Location
- ✓ Optimization of Barrier Height, Length and Location
- ✓ Structural Design for Wind Load as per IRC 6
- ✓ Provision for Drainage, Expansion Joints and Maintenance Access
- ✓ Safety Requirements and Crashworthiness as per IRC Guidelines

MATERIALS

Component	Material / Specification
Panels	Galvanized Steel / Aluminum / Acrylic / PC / Concrete (as per design)
Posts / Columns	Structural Steel – IS 2062
Base Plates	Mild Steel – IS 2062
Finish	Hot Dip Galvanized / Powder Coated / Polyester Coated
Acoustic Infill (Absorptive Type)	High Density Glass Wool / Rock Wool / Polyester Fiber

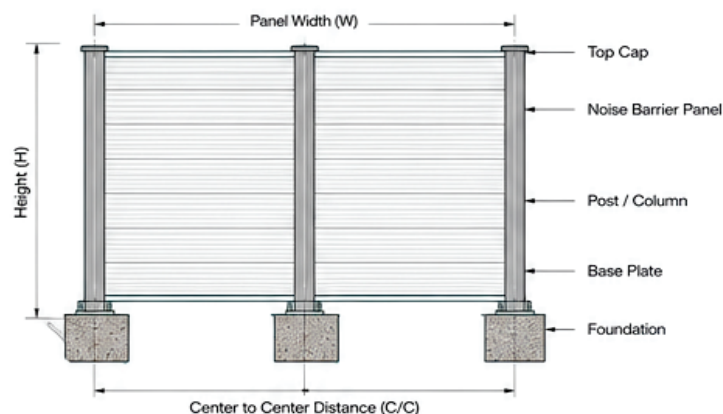
ACOUSTIC PERFORMANCE

Designed for optimum sound absorption and transmission loss performance as per IRC SP 130-2019.

Parameter	Typical Performance
Sound Absorption (α_w)	0.60 – 0.90
Insertion Loss (IL)	10 – 25 dB (A)*
Sound Transmission Class (STC)	Up to 30 dB

* Performance varies with height, design and site conditions.

TYPICAL CONFIGURATION



APPLICATIONS



Highways & Expressways



Urban Roads & Flyovers



Industrial Zones



Residential Areas



Commercial Complexes

QUALITY ASSURANCE

- ✓ Designed in accordance with IRC SP 130-2019
- ✓ Manufactured under ISO 9001:2015 certified processes
- ✓ Materials tested as per relevant IS / ASTM standards
- ✓ In-house acoustic & dimensional quality testing
- ✓ Durable finish for long-term performance



REFLECTIVE NOISE BARRIER

Designed & Manufactured as per
IRC SP 130:2019
Guidelines for Acoustic Design of Noise Barriers

Reflective Noise Barriers are designed to reflect sound towards the source side, minimizing noise transmission to the receiver side. Manufactured as per IRC SP 130:2019, they provide effective noise control, durability and safety for highways, expressways and urban infrastructure.

KEY FEATURES



High Sound Reflection Performance



Designed as per IRC SP 130:2019



Weather, UV & Corrosion Resistant



Modular & Easy Installation



Low Maintenance & Long Service Life



Aesthetically Appealing

PRODUCT DESCRIPTION

- Reflective Noise Barriers are non-absorptive barriers with smooth, solid panels or reflective surfaces that reflect sound energy back towards the source side. These barriers are effective in areas where it is not feasible to absorb sound on the traffic side.

TYPES OF REFLECTIVE NOISE BARRIERS



SOLID REFLECTIVE TYPE
Smooth solid panels designed to reflect sound energy towards the source.



PROFILED REFLECTIVE TYPE
Profiled metal panels with high surface mass for effective sound reflection.



MICRO-PERFORATED REFLECTIVE TYPE
Optional micro-perforated panels for aesthetic and air flow requirements.

MATERIALS & SPECIFICATIONS

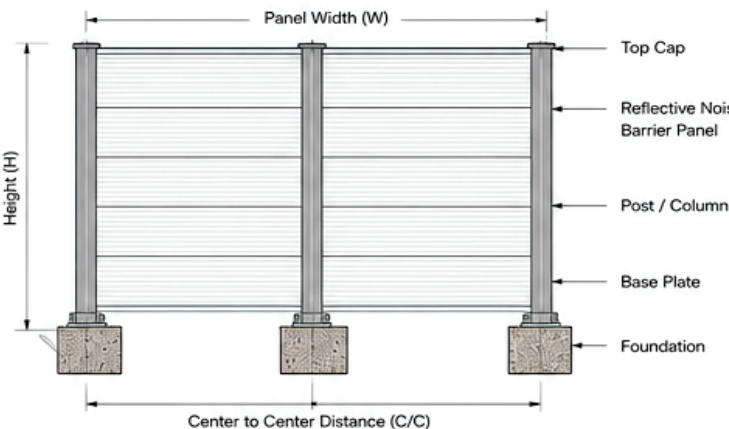
COMPONENT	MATERIAL / SPECIFICATION
Panels	Galvanized Steel / Aluminum / Acrylic / PC / Concrete (as per design)
Posts / Columns	Structural Steel – IS 2062
Base Plates	Mild Steel – IS 2062
Finish	Hot Dip Galvanized / Powder Coated / Polyester Coated
Fasteners	Stainless Steel / High Tensile Galvanized
Foundation	RCC as per IRC Specifications

ACOUSTIC PERFORMANCE (As per IRC SP 130:2019)

PARAMETER	TYPICAL PERFORMANCE*
Sound Reflection (DLR)	≥ 0.70
Insertion Loss (IL)	10 – 25 dB (A)*
Sound Transmission Class (STC)	Up to 30 dB
Surface Finish	Smooth / Micro-perforation (Optional)

* Performance may vary with height, design and site conditions.

TYPICAL CONFIGURATION



DESIGN CONSIDERATIONS (As per IRC SP 130:2019)

- Determination of Noise Reduction Requirement
- Consideration of Topography, Line of Sight & Receiver Location
- Optimization of Barrier Height, Length & Location
- Structural Design for Wind Load as per IRC 6
- Provision for Drainage, Expansion Joints & Maintenance Access
- Safety Requirements and Crashworthiness as per IRC Guidelines

APPLICATIONS



Highways & Expressways



Elevated Roads & Flyovers



Urban Roads



Industrial Zones



Residential & Commercial Areas



ROAD SIGNAGES

AS PER IRC: 67-2022

Code of Practice for Road Signs

Our road signs are designed and manufactured strictly in accordance with IRC: 67-2022 to ensure uniformity, visibility, durability and effectiveness on all categories of roads and traffic conditions.



Standard Compliant
Manufactured as per IRC: 67-2022 and MoRTH Specifications



High Visibility
High intensity retro-reflective sheeting for day & night visibility



Durable & Reliable
Robust construction for long life in all weather conditions



Corrosion Resistant
Quality raw materials with anti-corrosive treatment & powder coating



Easy Installation
Designed for quick and safe installation & maintenance



TYPES OF ROAD SIGNS



REGULATORY SIGNS

Inform road users of legal requirements. Examples: Stop, Give Way, Speed Limit, No Entry, One Way.



WARNING SIGNS

Warn road users of hazardous conditions or road features ahead. Examples: Curve, Narrow Road, Pedestrian Crossing, Slippery Road.



MANDATORY SIGNS

Indicate the direction or route that must be followed. Examples: Keep Left, Ahead Only, Turn Left.



INFORMATORY SIGNS

Provide useful information to road users. Examples: Direction, Distance, Services, Facilities, Tourist Information.



HAZARD MARKERS & OBJECT MARKERS

Indicate hazards and obstructions on or near the roadway. Examples: Chevron, Hazard Marker, Object Marker.

MATERIALS & CONSTRUCTION

COMPONENT	SPECIFICATION
Sign Face	Aluminium Sheet – IS 737 (HR Grade)
Retro-reflective Sheeting	Class RA2B / RA1B as per IRC: 67-2022
Paint / Ink	Screen / Digital Printing with UV Resistant Inks
Posts / Support	Galvanized Steel / Aluminium (IS 2062 / IS 557)
Fasteners	Stainless Steel / Galvanized Steel
Finishing	Anti-corrosive treatment & powder coated (Wherever applicable)

APPLICATIONS



SPECIFICATIONS (AS PER IRC: 67-2022)

PARAMETER	REQUIREMENT
Retro-reflective Sheeting	Type XI (Class RA2B) for regulatory, warning & mandatory signs. Type IV (Class RA1B) for information signs.
Sign Face Material	Aluminium Sheet (HR Grade) As per IS 737
Thickness of Sign Face	1.5 mm / 2.0 mm / 2.5 mm (as per sign size)
Sign Shape	As per IRC: 67-2022 (Circular, Triangular, Rectangular, Square, Octagonal)
Sign Colors	As per IRC: 67-2022 Standard Color Specifications
Mounting Height	Min. 2.1 m from ground level (as per IRC guidelines)
Durability	Designed for minimum 7 years of performance under normal conditions

SHAPES & SIZES (AS PER IRC: 67-2022)



CIRCULAR
Dia (mm)
600 / 750 / 900
1200



TRIANGULAR
Side (mm)
600 / 750 / 900
1200



OCTAGONAL
Side (mm)
600 / 750 / 900



SQUARE
Side (mm)
600 / 750 / 900



RECTANGULAR
Size (mm)
As per schedule of IRC: 67-2022



All dimensions, legends, symbols, colors and retro-reflective requirements shall be as per IRC: 67-2022.

QUALITY ASSURANCE

- ✓ 100% compliance with IRC: 67-2022 and MoRTH specifications
- ✓ High intensity retro-reflective sheeting for superior visibility
- ✓ Raw materials tested for quality and performance
- ✓ In-house testing for reflectivity, adhesion, and durability
- ✓ Every sign inspected for finish, legend accuracy and conformity



EXPERT INSTALLATION. BUILT FOR PERFORMANCE.

End-to-End Installation Services for Noise Barriers & Road Signages

We provide professional installation services for Noise Barriers as per IRC SP 130 and Road Signages as per IRC: 67, ensuring safe, compliant and long-lasting performance on every project.



**Trained & Experienced
Installation Team**



**Compliant with
IRC Standards**



**Site Survey &
Assessment**



**Planning & Method
Statement**



**Professional
Installation**



**Quality Checks &
Compliance**



**Timely Completion
& Handover**



**After Sales Support
& Maintenance**

NOISE BARRIER INSTALLATION

As per IRC SP 130:2019



1 SITE SURVEY & SETTING OUT

We study the site conditions, layout drawings and acoustic requirements. Accurate setting out of alignment and foundation locations.



2 FOUNDATION WORKS

Excavation, casting of RCC foundations as per design and IRC SP 130 requirements to ensure structural stability.



3 POST / COLUMN INSTALLATION

Erection of steel posts / columns on foundation with precise alignment, plumb and level using approved fastening systems.



4 PANEL INSTALLATION

Installation of acoustic / reflective panels as per approved drawings and manufacturer's guidelines. All joints and fasteners fixed securely.



5 FINISHING & INSPECTION

Final inspection, alignment check, fastener tightening and cleaning of the site to ensure quality and compliance.

ROAD SIGNAGE INSTALLATION

As per IRC: 67-2022



1 SITE SURVEY & SIGN LOCATION

Review of drawings, traffic conditions and sight distance as per IRC: 67-2022. Marking of exact sign locations.



2 FOUNDATION / MOUNTING PREPARATION

Excavation and casting of RCC footing or preparation of mounting base as per design and soil conditions.



3 POST / SUPPORT INSTALLATION

Erection of poles / posts / gantry structures with correct height, alignment and orientation.



4 SIGN BOARD INSTALLATION

Mounting of sign boards using approved clamps, brackets and fasteners. Ensuring correct face orientation and visibility.



5 FINAL CHECK & HANDOVER

Quality check of all signs for height, visibility, retro-reflectivity and firmness. Handover with documentation.

WHY CHOOSE OUR INSTALLATION SERVICES?



**Skilled & Trained
Workforce**



**Strict Adherence
to IRC Standards**



**Use of Right Tools
& Equipment**



**Quality & Safety
First Approach**



**Timely Execution
of Projects**



**Complete Project
Ownership**



OUR PROJECTS

Delivering safe, durable and high-performance traffic safety solutions across India. Our Noise Barriers and Road Signages are installed as per IRC standards for a safer tomorrow.



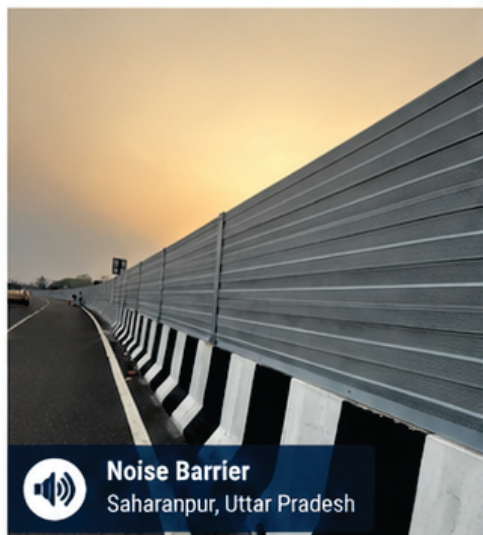
Noise Barrier
Saharanpur, Uttar Pradesh



Noise Barrier
Pench National Park, Seoni,
Madhya Pradesh



Noise Barrier
Highway Project



Noise Barrier
Saharanpur, Uttar Pradesh



Road Signage
Speed Limit Sign



Road Signage
Chevron Sign



Parapet with Noise Barrier
Highway Project

INNOVATION. QUALITY. SAFETY. SUSTAINABILITY.

Engineering Better Roads & Quieter Communities

We are committed to delivering world-class noise barrier and road signage solutions that enhance road safety, reduce noise pollution and contribute to a sustainable future.



OUR VISION

To be a leading provider of innovative, high-performance and sustainable road safety and noise control solutions.



OUR MISSION

To deliver reliable and cost-effective solutions through innovation, quality and customer satisfaction.



OUR VALUES

- Integrity
- Quality
- Safety
- Innovation
- Sustainability



MANUFACTURING EXCELLENCE

Precision. Technology. Quality.

Our state-of-the-art manufacturing facility is equipped with advanced machines and technology to produce high-quality noise barriers and road signs with precision and consistency.



Advanced Machinery



Skilled Workforce



Precision Engineering



Robust Quality Control



High Production Capacity



Timely Delivery Assurance



PREMIUM RAW MATERIAL



ADVANCED PRODUCTION LINE



PRECISION FABRICATION



POWDER COATING



QUALITY INSPECTION



SAFE PACKING & DISPATCH

OUR PROJECTS

Transforming Highways. Enhancing Lives.

Our solutions are trusted by government bodies, contractors and infrastructure developers across the country.



EXPRESSWAYS



URBAN ROADS



HIGHWAYS



CITY INFRASTRUCTURE

TRUSTED BY LEADING ORGANIZATIONS

Delivering excellence to our valued clients and partners.



WHAT OUR CLIENTS SAY

“

Excellent product quality and professional installation support. Delivered as committed.
– Project Manager, National Highway Project

“

The noise barriers installed have significantly improved the driving experience and community comfort.
– Resident Engineer, Expressway Project

“

High quality signage with great visibility and durability. Their team is reliable and responsive.
– Traffic Engineer, Urban Infrastructure Project

SUSTAINABILITY AT OUR CORE

We are committed to sustainable manufacturing practices that reduce environmental impact and support a greener future.



Recyclable Materials



Energy Efficient



Low Environmental Impact



Sustainable Processes

CERTIFICATIONS & STANDARDS

Our products and processes comply with national and international standards.



ISO 9001:2015
Quality Management



ISO 14001:2015
Environmental Management



ISO 45001:2018
Occupational Health & Safety



BIS
Standards
Compliant

COMPLETE ROAD SAFETY SOLUTIONS

SUPPLIER & INSTALLER

We are a trusted Supplier and Installer of high quality Road Safety Products, delivering reliable solutions that enhance safety, improve traffic management and save lives.

OUR ROAD SAFETY PRODUCTS

WATER BARRIER



- High impact resistance
- Easy to install and relocate
- Can be filled with water for maximum stability
- Ideal for traffic diversion and work zones

Application: Highways, Work Zones, Traffic Diversions, Toll Plazas, Events

ROAD STUDS



- High reflectivity for night visibility
- Weather and load resistant
- Enhances lane discipline and road safety
- Available in various colors

Application: Highways, Expressways, Urban Roads, Pedestrian Crossings

PLASTIC & RUBBER SPEED BREAKERS



- Reduces vehicle speed effectively
- Made from durable plastic & rubber
- Easy to install with bolts
- Weather proof and long lasting

Application: Residential Areas, Schools, Hospitals, Parking Areas, Industrial Zones

DELINEATORS



- Improves road visibility and guidance
- Flexible and impact resistant
- Easy to install and maintain
- Ideal for medians, curves and diversions

Application: Medians, Curves, Dividers, Work Zones, Toll Plazas, Parking Areas



QUALITY PRODUCTS



PROFESSIONAL INSTALLATION



DURABLE & RELIABLE



CUSTOMER FOCUSED



PAN INDIA SERVICE

MANUFACTURER OF BUNK BEDS & MS RAILINGS

Built Strong. Built Safe. Built to Last.

We are a trusted manufacturer of high-quality **Bunk Beds** and **MS Railings**, designed and built to deliver safety, durability and long-term performance.



PREMIUM
QUALITY
MATERIALS



STRONG &
DURABLE
CONSTRUCTION



CUSTOMIZED
SOLUTIONS



ADVANCED
MANUFACTURING
FACILITY



BUNK BEDS



- ✓ Heavy duty steel construction
- ✓ Corrosion resistant powder coating
- ✓ Space saving & practical design
- ✓ Ideal for hostels, dormitories, labor camps, defense, and institutions



SINGLE BUNK BED



DOUBLE BUNK BED



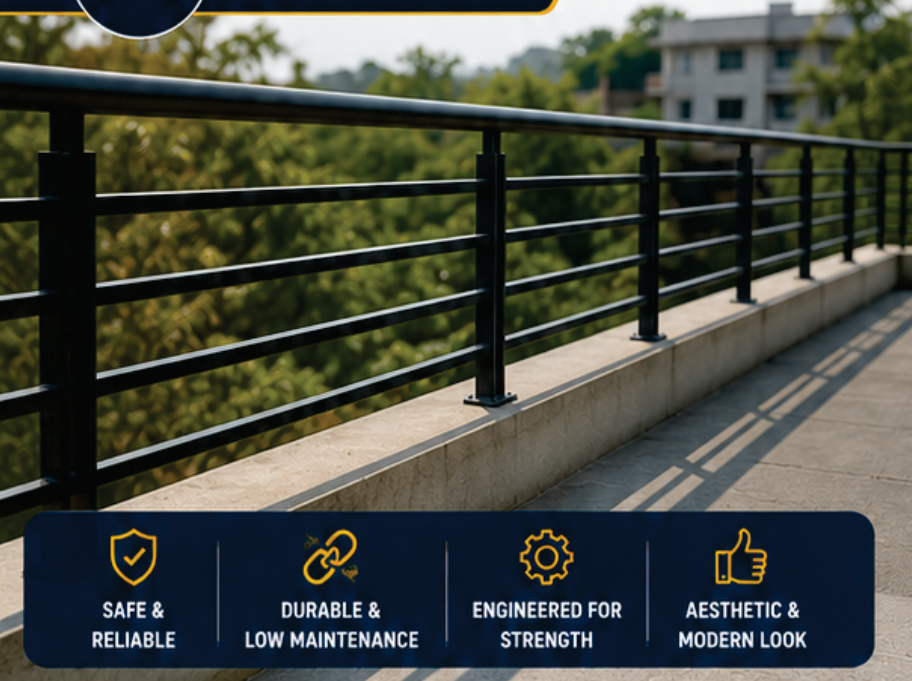
HEAVY DUTY BUNK BED



CUSTOMIZED OPTIONS



MS RAILINGS



STRONG RAILINGS. SAFE SPACES.

Our MS railings are manufactured using high-quality mild steel and advanced processes to provide strength, safety and a modern look for all types of residential, commercial and industrial applications.



High strength and long lasting performance



Corrosion resistant with premium finish



Precision fabrication and strong welding



Custom designs to suit your project needs



Suitable for balconies, staircases, terraces, ramps and boundaries



SAFE &
RELIABLE



DURABLE &
LOW MAINTENANCE



ENGINEERED FOR
STRENGTH



AESTHETIC &
MODERN LOOK



THANK YOU FOR YOUR INTEREST IN OUR SOLUTIONS

We sincerely appreciate the time you've taken to explore our range of Noise Barriers and Road Signages. Your trust inspires us to deliver solutions that build safer roads and quieter communities.

“ Together, let's build a
Safer & Sustainable Tomorrow. ”

OUR PROMISE TO YOU



SAFETY

We prioritize safety in everything we do.



QUALITY

Uncompromising quality in every product.



INNOVATION

Innovative solutions for modern infrastructure.



INTEGRITY

We believe in honest and transparent dealings.



SUSTAINABILITY

Committed to a greener and better future.

STRONGER BARRIERS. CLEARER SIGNS. SAFER ROADS. BETTER TOMORROW.

We look forward to partnering with you on your upcoming projects and delivering excellence at every step.

Let's build a safer and quieter world together.



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