

Reliability makes us different



Cast Basalt Fittings



En-Masse &
Drag Chain Conveyor



Wet Scraper Conveyor



Trolley Conveyor for
Wire Harnessing



Tube Handling System



www.stenfab.com



About Company

Established in the year 1997 as Stenfab Industries. We have become one of the recognized firm offering an exclusive range of Material Handling Systems and Custom build equipment's that serves industrial applications. The range comprises En-Masse / Drag Chain Conveyors, Wet Scraper Conveyors, Cast Basalt Lined Pipeline & Fittings, Tube Handling Systems, Trolley Conveyors, Wire Harnessing Conveyors, Assembly Line Conveyors, Roller Conveyors, Pick & Place System, Automated Part Handling Systems, Powerized Trolley, Scissor Lift etc.

We have successfully supplied many systems to our customers such as Thermax Ltd., TATA, Fuzikura, Tyco, Spicer India and many mores.

Our Product Portfolio

Our range meets the requirements of large public sector units, Indian corporate, multinationals and small as well as medium sectors all across the India.

Features:

- Precise quality and Low Cost
- Custom build equipment's
- Own design based technology
- Easy to installation and maintenance due to modular construction.

Our Team

We are lead by a team of highly qualified, skilled and professional persons who work diligently to offer maximum customer satisfaction through the delivery of inovative material handling equipment. The team of engineers and technicians, based on their experience and expertise are able to manufacture precision engineered machines in compliance to the technical requirements of our clients.

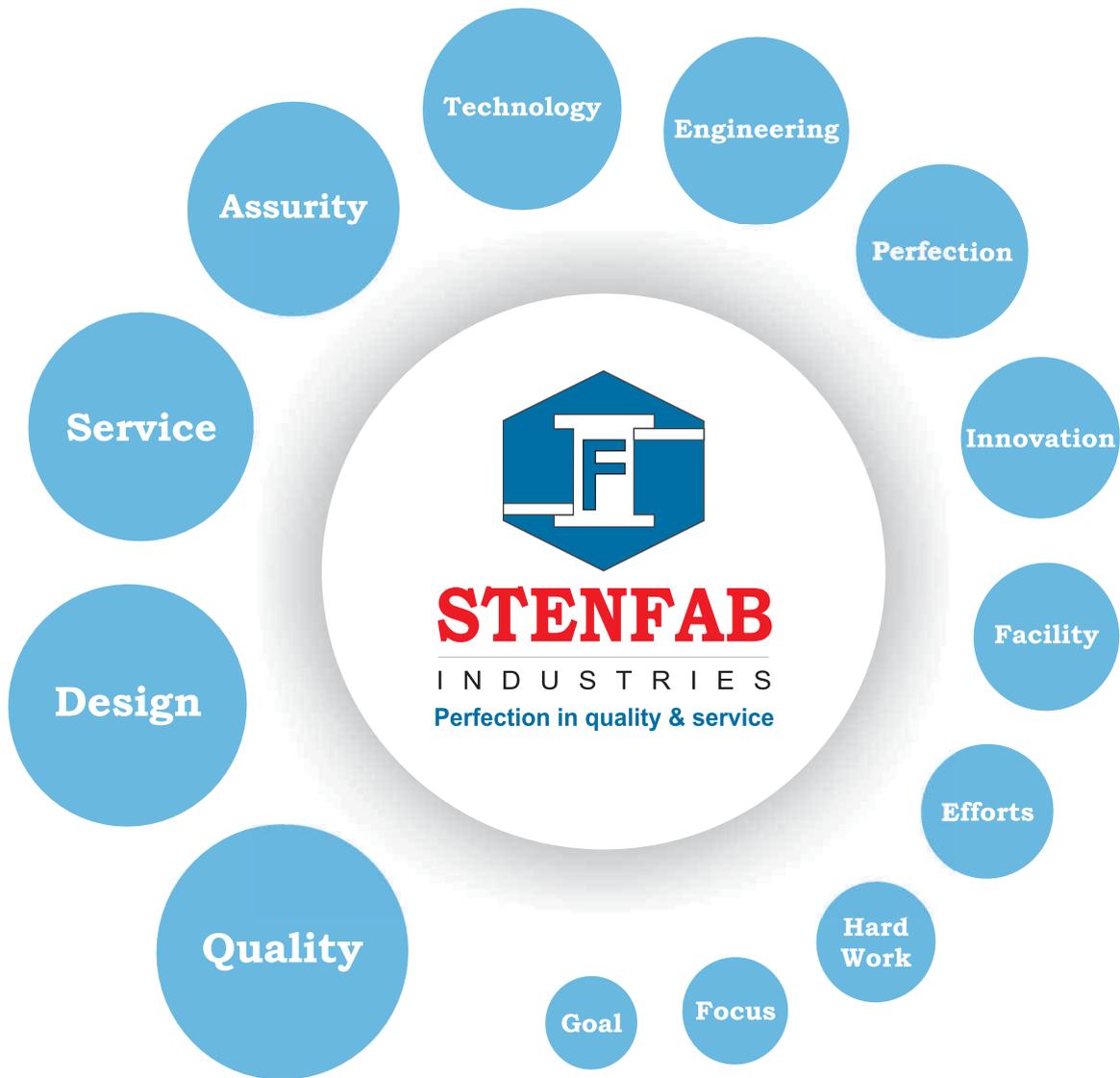
The team is encouraged to participate in the working of the company and this helps to promote a healthy working atmosphere. It is due to their dedication and perseverance that we have been able to establish ourselves as the forerunners in the material handling equipment manufacturing industry.

The workforce is provided with regular skill development trainings so that they are abreast with the changing technology and work accordingly to manufacture the gamut as per the client mentioned specification.

Our Quality Assurance

Our company is committed to manufacture superior quality machinery assuring our clients of long term reliability. Stringent quality control norms are followed at every stage of the manufacturing process. It assures our customers of superior machinery in terms of design, finish, quality as well as reliability.

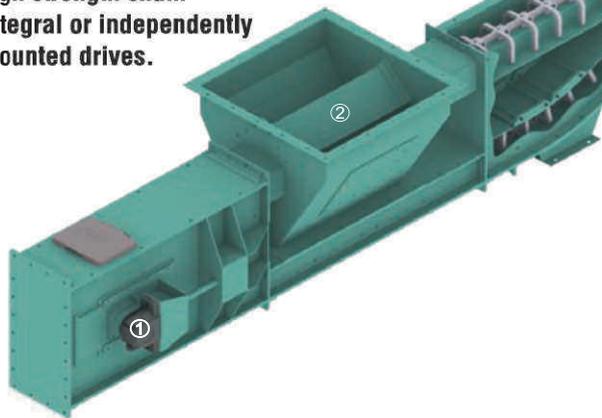






En-Masse & Drag chain conveyor

- ① Simple chain tensioning
- ② Hoppered inlet
- ③ Continuous Process high strength chain
- ④ Integral or independently mounted drives.



We are manufacturer and service provider for En-Masse & Drag Chain Conveyors. En-Masse & drag chain conveyors are the most efficient form of material handling for high volume conveying. These chain conveyors also provide very efficient horse power consumption keeping operating costs low. Slow moving chains in these conveyors influence the material to move gently through a closed duct in a horizontal or even in steeply inclined profiles. These can handle virtually any type of bulk material in an environmentally safe way due to its dust-tight and spill proof, totally enclosed construction. These conveyors are heavy duty and of rugged construction.

Material is induced to move smoothly through a slender dust-tight steel casing, horizontally, incline plane, vertically and around bends. The conveyor feeds itself at any point with uniform load. There is no internal disturbance or pressure on the material and the load can be discharged at any opening where permitted to fall away from the flights.

The material is conveyed with 'EN-masse' effect or 'Drag' effect. En-masse conveyors give cost advantages due to their low power consumption, compact size & low maintenance requirements.

En-masse & Drag Chain conveyors can handle wide range of materials like Cement, Fertilizers, Sugar, Fly ash, Coal, Copper, Soda Ash, wood-chips, Clinker dust etc.

Specification

Single strand width	200 mm to 500 mm
Double strand width	630 mm to 1300 mm
Load Depth	110 mm to 450 mm
Capacity	Upto 150 TPH
Casing MOC	MS or SS 304

Application

- Steel Sectors
- Paper Sectors
- Power Sectors
- Chemical Sectors
- Cement Sectors
- Sugar Sectors
- Food Sectors

Sponge Iron Sectors

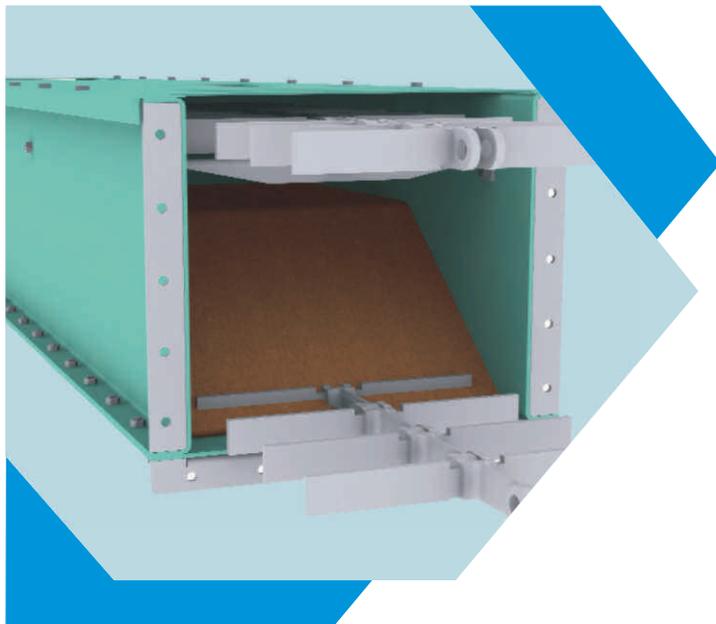


Power Sectors



Steel Sectors





Features

- Totally enclosed casing
- Single or multiple inlets
- Single or multiple outlets
- Requires minimum supporting structure
- Dustless
- Continuous Process high strength conveyor chain
- Integral or independently mounted drives
- Moves materials in any direction like horizontal, vertical, inclined at any angle and minimises transfer point
- Occupies much less space than other types of conveyors
- Safety choke detector
- Safety control switch
- Low maintenance cost
- Minimises explosion hazards

TYPICAL MATERIAL HANDLED

- Cement / Raw Meal / Kiln & Clinker Dust
 - Steel Plant Dust
 - Coal / Fly Ash
 - Sodium Sulphate
 - Copper Converter Dust
 - Sponge Iron
 - DMT Pellets
 - Soyabean Cake & Seeds
 - De-oiled Cake
 - Food Products
 - Pharmaceuticals
 - Grain
- Many Other powdery & granular materials

Spare Parts

We supply and service provider for below specified spare parts



HEAD SPROCKET

Material

Rim: EN 353 / EN 354
Hub: IS:2062 Gr. A

Notes

Operative areas of Tooth surfaces are hardened to ROCKWELL C 55 To 60.
SPROCKETS can be tailor made to suit customer applications

TRAILING WHEEL

Material

Rim: EN 353 / EN 354
Hub: IS:2062 Gr. A

Notes

Operative areas of Tooth surfaces are hardened to ROCKWELL C 55 To 60.
TRAILING WHEELS can be tailor made to suit customer applications



Chain Links



Chain Link Assly



Chain Link

We supply and provide service of all types of chain links and chain links assembly as 3000, 3001, 3002, 3003, 3122, in MOC 20MnCr5 with hardness 55 to 60 HRC

Liners

We supply and provide service of liners such as cast basalt tiles or sailhard at the bottom and side of the conveyor and Hardox-400 for top and bottom wear strips.

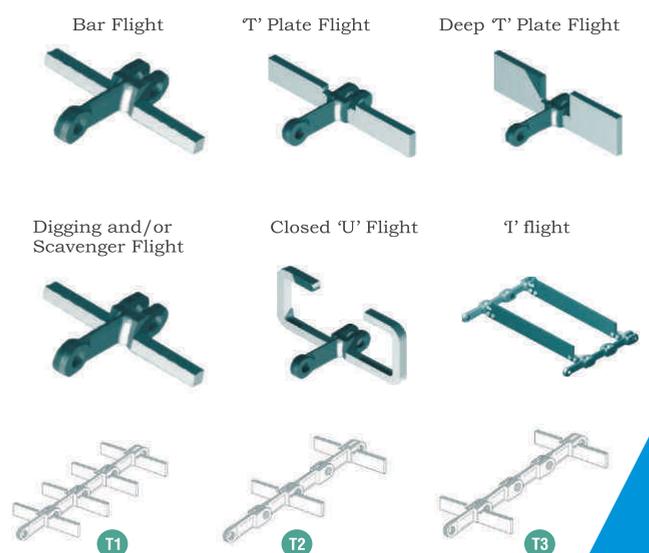


Wear plates



Cast basalt lining

Various types of Flights



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Wet Scrapper Conveyor

We are a manufacturer & service provider for Wet Scrapper Conveyors. Normally Wet Scrapper Conveyors are widely used as dust collectors in coal mines, sugar industries, industrial furnaces and boiler bed ash etc.

We offers Wet Scrapper Conveyors which are totally enclosed fully welded construction, leak proof conveyors. Forged Chain Links are of low alloy Steel with surface hardness of 55-60 HRC. The Sprockets as well as Trailing Wheels are also manufactured out of forged construction with a hardness of 55-60 HRC. Cast Basalt Liners are provided at bottom as well as on both sides to avoid any kind of Rubbing between the scrapper flights and bottom of the conveyors.

Normally the temperature of handled material is high upto 1100 deg. C, Hence the main function of this conveyor is to reduce temperature of handled material.

Application

- Steel Sectors
- Power Sectors
- Chemical Sectors

Specification

Lenght	3 m to 60 m
Capacity	Upto 20 TPH
Intel / Outlet	Multiple
Inclination	Max. 30°
Casing MOC	MS or SS 304

Features

- Minimum wear & tear
- Suitable for very highly abrasive material
- Useful for ash collection & disposal application
- Totally Enclosed ms casing with normal water to reduce temperature of handled material
- Easy installation and maintenance
- Low power as well as water consumption
- Continuous operation

Steel Sectors

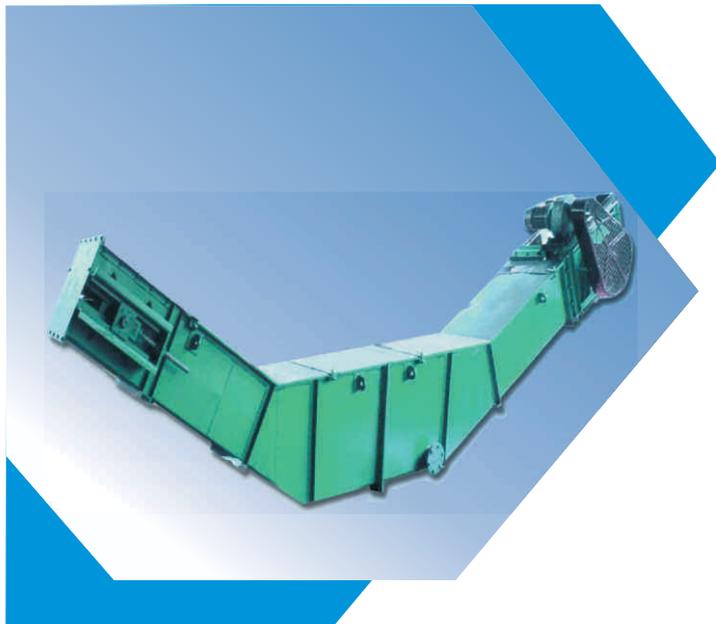


Power Sectors



Chemical Sectors

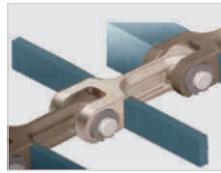




Spare Parts

We supply and service provider for below specified spare parts

Chain Links



Chain Link Assly



Chain Link

We supply and provide service of all types of chain links and chain links assembly as 3000, 3001, 3002, 3003, 3122, in MOC 20MnCr5 with hardness 55 to 60 HRC

Liners

We supply and provide service of liners such as cast basalt tiles or sailhard at the bottom and side of the conveyor and Hardox-400 for top and bottom wear strips.



Wear plates



Cast basalt lining

HEAD SPROCKET



Material

Rim: EN 353 / EN 354

Hub: IS:2062 Gr. A

Notes

Operative areas of Tooth surfaces are hardened to ROCKWELL C 55 To 60.

SPROCKETS can be tailor made to suit customer applications

TRAILING WHEEL

Material

Rim: EN 353 / EN 354

Hub: IS:2062 Gr. A

Notes

Operative areas of Tooth surfaces are hardened to ROCKWELL C 55 To 60.

TRAILING WHEELS can be tailor made to suit customer applications



Various types of connecting pins

Headless Pin and two Circlips



Headed Pin, Collar and Pin



Headed Pin and one Circlip



Connecting Pin and snug

Can be used on 3122 chain - requires provision of keyway to all link fixing holes



Pins

- > Case hardened Alloy Steel
- > Surface hardness Rockwell 45 to 50 minimum
- > Material EN 24

Various types of Flights

Bar Flight



T' Plate Flight



Deep T' Plate Flight



Digging and/or Scavenger Flight



Closed 'U' Flight



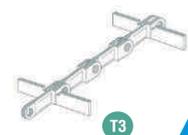
T' flight



T1



T2



T3



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Cast Basalt

Features

- Excellent resistance to corrosion & Abrasion
- Cast Basalt self-life is 8 to 10 times more than Cast Iron and 3 to 4 times of Ni-Hard steel
- Cast Basalt withstand temperature up to 450 Deg. C
- Cast Basalt is almost absolutely acid/alkali resistant (Except Hydrofluoric Acid)

Basalt is a natural material stone. The required shapes of basalt tiles and cylinders created by melting the selected basalt rocks. The self-life of this material is 10 times more as compared to cast iron & 4 times of Ni-Hard steel. It has excellent resistance to corrosion & abrasion even at high temperature.

The natural material stone is continuously melted in pit type furnace at temperature about 1200 to 1300 Deg. C, at 1200 Deg. C the stone will convert into the metal form or sand moulds. After completion of the heat treatment process it is stored into continuous cooling tunnel furnace up to 20 hours until it re-crystallizes & gains its end use properties.

Application

Power Plant	Steel Plant	Cement plant	Coal Washeries
Stag Runners Air Lift Pipes Coke Sorting Unit Sinter Plant conveyors Scale Pit (Iron Slurry) Coal Bunkers Drag Chain Conveyors Trench / Flume Liners	Stag Runners Air Lift Pipes Coke Sorting Unit Sinter Plant conveyors Scale Pit (Iron Slurry) Coal Bunkers Drag Chain Conveyors Trench / Flume Liners	Ash Line Pipe, Bends Coal Conveying Lines Lime / Silica Conveying Lime / Silica Hoppers/ Chutes Coal Ventury Dynamic Air Separators Coal Hoppers / Chutes Raw Mill Ducts / Chutes	Coal Washing Plants Coal Transportation Conveyor Chutes/Pipes Floatation Cells Media Sumps Centrifuges Cyclones Sieves
Commercial Use	Chemical Sectors	Laboratory Flooring	Test Tracks etc.

Power Sectors

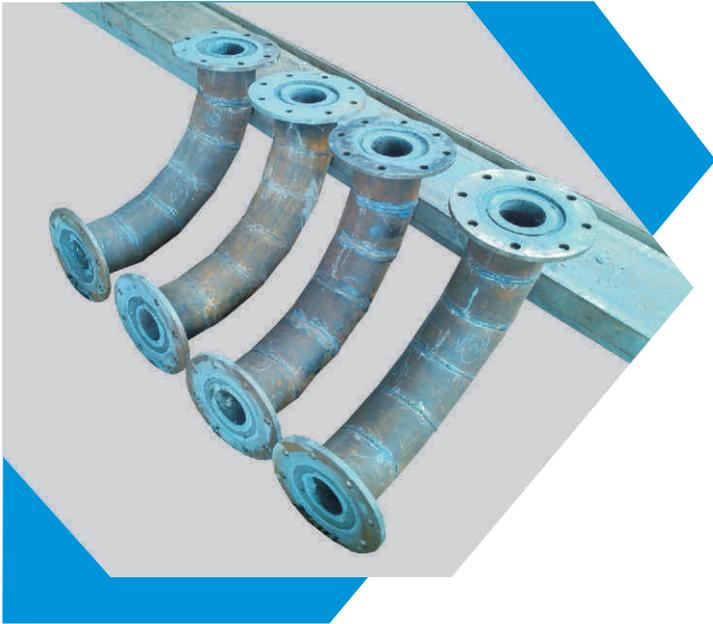


Cement Sectors



Steel Sectors





Range

Cast Basalt Cylinders:

The size of cylinders start from Dia. 50 mm to 600 mm, more than 600 mm Dia. the tile lining will done.

Cast Basalt Lined Piping

Cast Basalt Lined Piping is exceptionally wear-resistant and is applied whenever highly abrasive materials are to be conveyed pneumatically or hydraulically through pipelines, such as compound material, coal, coal dust, coke, fly-ash, furnace dust, cement, lime, fine ores, slag, sand and other coarse or fine-granulated abrasive material.

Physical properties of Cast Basalt

Particulars	Values
Specific Gravity	2.8 to 3.0 gm/cm ³
Operating Temperature	Up to 450 Deg. C
Compressive Strength	4500 Kg/cm ²
Bending Strength	450 Kg/cm ²
Hardness	7 to 8 on Moh's Scale
Abrasion Resistance	0.07 gm/cm ²
Water Absorption	0.5% Max.
Porosity	3% Max.



Cast Basalt Trench Lining

Cast basalt trench liner means the basalt tile casted in radial and angular profile as per requirement. Mainly these are used in gutters / disposal pits / ash ponds to carry out ash in slurry media by gravity up to utilization area. These gutters lines are situated below the multiple hoppers and the temperature of each hopper is more than 100° C. Hence trench liners are more suitable to use these type of application



Range

Cast Basalt Tiles/Trenches:

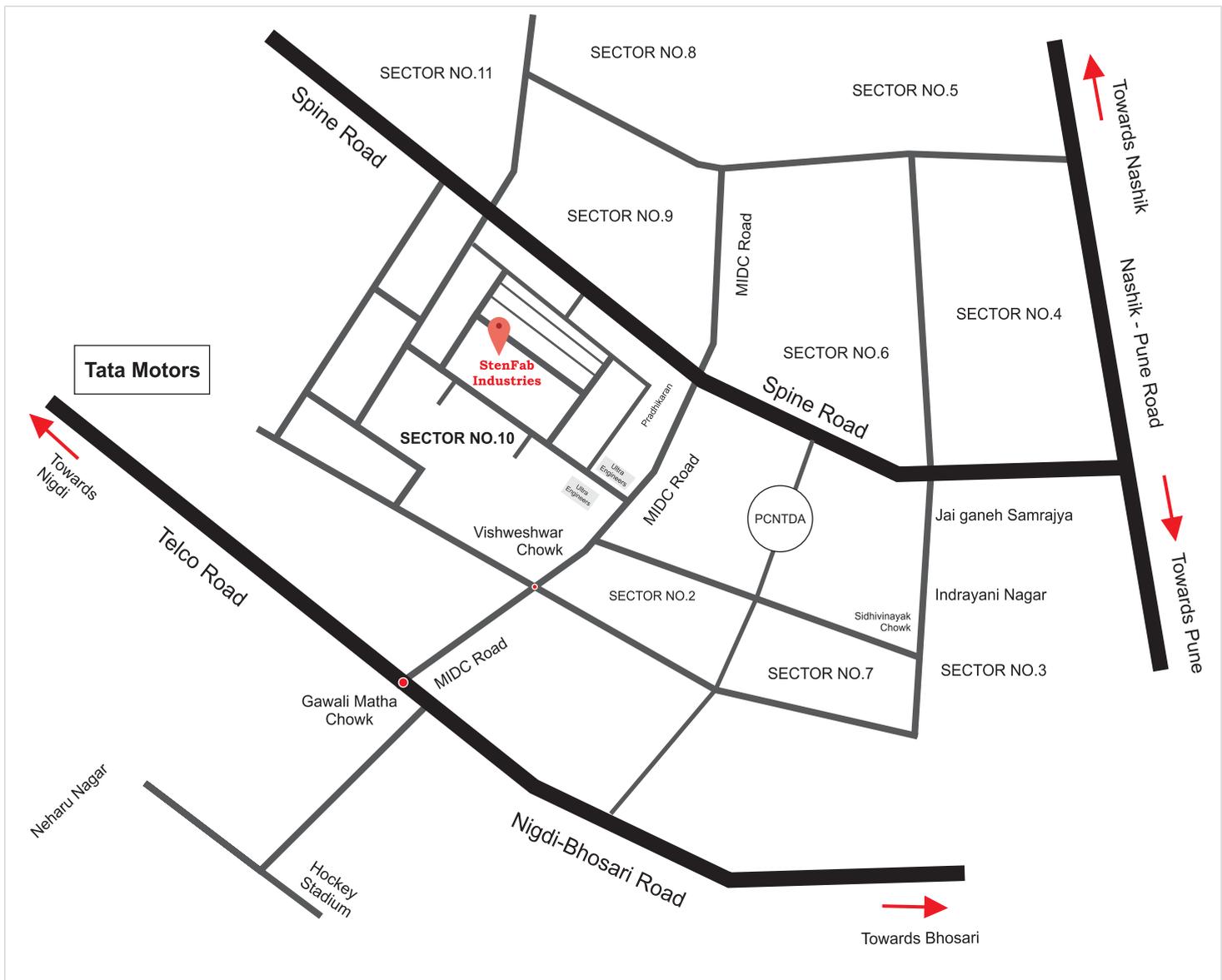
We will provide all type of shapes just like Square, Rectangular, Circular, Hexagonal, Pentagonal etc. also as per customer requirements in any size & thickness in bulk quantity.

Cast Basalt Tiles



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Our Clients



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