



FUELING SUSTAINABLE FUTURE

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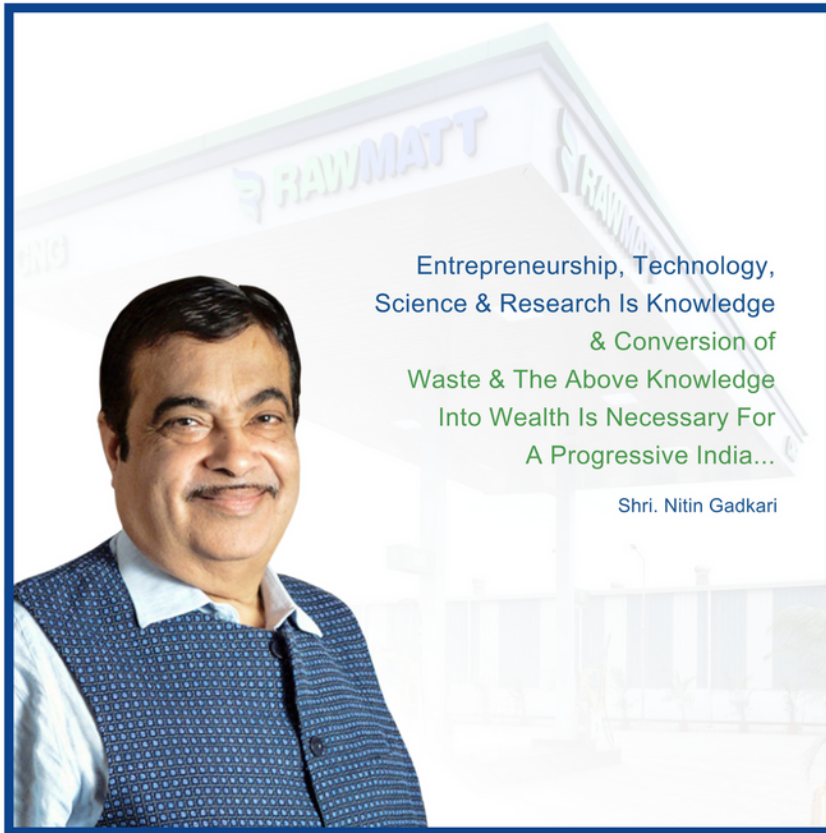
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Entrepreneurship, Technology,
Science & Research Is Knowledge
& Conversion of
Waste & The Above Knowledge
Into Wealth Is Necessary For
A Progressive India...

Shri. Nitin Gadkari

Under the valuable guidance and visionary leadership of Hon. Shri Nitin Ji Gadkari, we at Rawmatt are moving towards an aim of making Annadata to Urjadata.

"'Atmanirbhar' India is possible only when agriculture becomes self-reliant, every farmer becomes self-reliant. This can happen only when instead of unnatural fertilizers and medicines, we enrich the soil of Mother India with cow dung-wealth and natural elements."

- Shri Narendra Modi

"We aim to make India 'atmanirbhar' and we've proudly taken a historical step towards this mission. Rawmatt Industries has successfully launched India's first-ever CNG tractor, which permits us to support the farmers of India with the beneficial aid of helping them to save on fuel costs. However, technologies and permissions were required for conversions and setting up CNG pumps which I've been trying to gather for the past 3-4 years. At last, this venture has come to action by the joint efforts of Kaustubh Gupta, CEO, Rawmatt Industries, and Mr. Amit Shah, Managing Director, Tomasetto Achille India."

- Shri Nitin Gadkari

"Energy consumption is going to increase in the country and the renewable energy sources will play an important role in this. PNG and CNG supply will reach 85-90% of the population in a few years."

- Shri Dharmendra Pradhan



India's First CNG Tractor Launch Event



PASSION INNOVATION PERSEVERANCE

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About Us



Rawmatt Industries Pvt. Ltd., a professionally managed company to carry out diversified business. We firmly believe that integrity and innovation are a winning combination in today's business world. Looking at transition & an absolute awareness towards usage of clean energy & in this regard natural gas being the most preferred fuel. We are committed to providing the benefits of natural gas towards creating an eco-friendly, user-friendly, and further reliable gas. Customer satisfaction is our ultimate goal and we constantly strive to improve our business by reviewing client feedback and keeping pace with the latest technology.

The government has set a vision to make India a gas-based economy, and we proudly announce that we are associated with giving a direction to this vision by setting up an LNG storage facility, LNG dispensing facility & L-CNG facility on a pan-India basis.

Our core values guide us to approach environment stewardship, We are committed to preserving the quality of the environment for the future generation. We assure to create a strong infra to increase the consumption of green energy.



Who Are We?

COMPLETE SOLUTION PROVIDERS



Gas Retail



Vehicle
Conversion
System



Turnkey
Project
Contractor



Gas
Production

OUR ASSOCIATES:

- Ⓐ Tomasetto Achille India Pvt, Ltd
- Ⓑ Ace Gas Conversions
- Ⓒ BVG India Ltd.
- Ⓓ PRA Group
- Ⓔ Leafiniti Bioenergy
- Ⓕ Sinoma Science & Technology

Liquified Natural Gas

What is LNG?

LNG is a natural gas (predominantly methane, CH₄, with some mixture of ethane, C₂H₆) that has been converted to liquid form for ease of storage or transport. LNG takes up about 1/600th of the volume of natural gas. Depending upon its exact composition, natural gas becomes a liquid at approximately -162°C (-259°F) at atmospheric pressure. LNG's extremely low temperature makes it a cryogenic liquid.

LNG

The Future of Liquified Natural Gas

LNG is being looked at as an alternative source of fuel for automotive vehicles and other uses rather than just a means of transport. Also, LNG's demand is growing as the world is turning towards the cleaner sources of energy.

Benefits of Conversion of Buses/ Trucks to LNG

- **Cleaner:** LNG is a non-corrosive, non-contaminating fuel. This helps in sustaining the life of engines, giving you more time between regular tune-ups and maintenance.
- **Economical:** LNG is favored by long-haul buses and trucks due to its higher energy density than CNG, 30-40% cheaper than diesel. LNG proves out to be more cost-effective than diesel and gasoline. It is, therefore, the budget fuel for your fleet.
- **Safer:** While natural gas is flammable, LNG is not. The Flammability Limits of methane are such that any small leak of LNG vapors from a tank in a well-ventilated area is likely to rapidly mix with air and quickly dissipate.

Compressed Natural Gas

What is CNG?

Compressed Natural Gas (methane stored at high pressure) is an alternate fuel known as a clean fuel, which is economical, emits less noxious gases, and is thus a viable replacement for gasoline, diesel fuel, and propane/LPG. Being lighter than air, it disperses quickly when discharged, posing a minimum risk in case of a spill.

CNG

Where is it Used?

CNG is used in modified internal combustion engines of automobiles, either alone (dedicated), with a segregated gasoline system to extend range (dual fuel), or in conjunction with another fuel such as diesel n(be-fuel).

Benefits of Converting Vehicles into CNG

- **Cleaner:** CNG has the lowest content of carbon and other pollutants. As a result, it releases 20-30% fewer greenhouse gas emissions, 95% fewer tailpipe emissions, and 0% evaporative emissions.
- **Futuristic:** CNG's efficiency, safety, abundance, and cost-effectiveness make it the fuel for all reasons – the fuel of choice for the future. In fact, 12 million vehicles are already powered by natural gas throughout the world and more companies and municipalities are joining every day.
- **Safer:** CNG storage tanks come with a tight seal, which reduces the possibility of an explosion. As it releases little to no emissions while refueling or in the event of a spill, in fact quickly dissipating instead of contaminating or harming anything in its proximity, it is both physically and environmentally safer.

Gas Retail



L-CNG STATION IN NAGPUR



CNG Retail

Rawmatt Industries Pvt. Ltd is leading the alternate fuel technology by commissioning the first liquefied compressed natural gas (L-CNG) station in Nagpur.

We have successfully installed India's first private sector LNG storage and CNG manufacturing facility at Wanjari Nagar Plant, LNG dispensing facility & L-CNG facility in Nagpur. We are currently operating three L-CNG stations, one mother station of CNG where LNG is to be converted into L-CNG and dispensed through the other two daughter stations in various strategic locations to cater the demand of the local automobile sector.

The RIPL has received the order for conversion of 430 Nagpur Municipal Corporation buses from diesel to CNG and constantly working with NMC since 15 June 2017. Now the company is in talks with various municipal corporations and State Transport Corporations in India for the conversion of their buses.

LNG Retail

Rawmatt LNG is in process of establishing 8 LNG stations in Raipur (Chhattisgarh), Raipur for Godavari Power And ISPAT Ltd, Chandrapur (Maharashtra), Wani (Maharashtra), Ghughus (Maharashtra), Umred (Maharashtra), Bengaluru(Karnataka), Bhubaneshwar (Odisha) and Nagpur(Maharashtra), which will serve LNG for around 8000 trucks for our clients.

We have been recently declared as L1 by MSRTC for conversion of 500 buses to LNG and supply of Gas for a period of 15 years, LOI of the same is expected anytime soon.

In November 2020 the government had announced an investment of Rs 10,000 crore to set up 1,000 LNG stations through investments from both private and public sector companies in the next three years (upto2023). Promoting LNG as a fuel is a part of the Government of India's push to raise the share of natural gas in its energy basket by 15% by 2030 from the current 6.2%.

Initially, the Government of India planned that 50 LNG stations would be set up in one year. Rawmatt Industries has also been trying to put their efforts in the same program at various strategic locations of the country.



In times to come in India, there will be LNG stations at every 200-300km on the GQ (Golden Quadrilateral) and on all major highways, the stations will connect the four metros cities, Delhi, Mumbai, Chennai, and Kolkata.

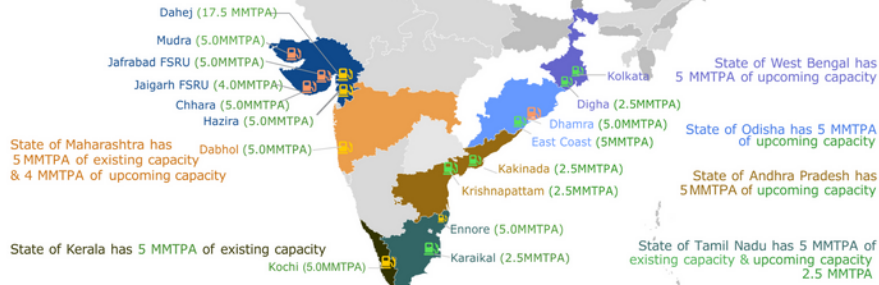
LNG as a fuel is poised to bring a transformational change in the way transportation happens. The consumption of natural gas in India is expected to increase by more than three-folds by 2030.

LNG suppliers in India:

Petronet
BPCL
IOCL
GAIL etc.

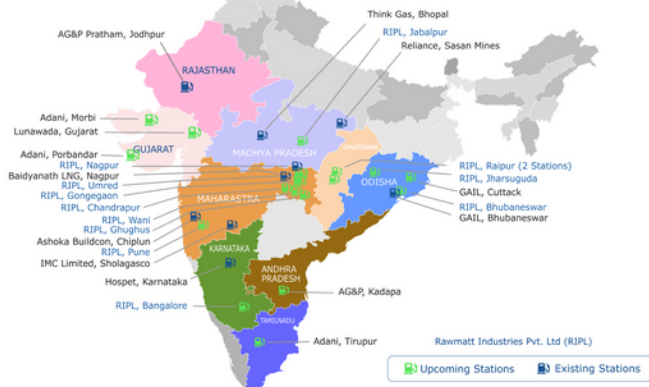
State of Gujarat has 27.5 MMTPA of existing capacity which constitutes to 76% of country's current capacity.

State of Gujarat has 14 MMTPA of commissioned regasification capacity.



Upcoming Capacity Commissioned Capacity Current Capacity
MMTPA : million metric ton per annum

LNG Stations in India



Vehicle Conversion

Rawmatt Techno Solutions LLP



Rawmatt Techno Solutions LLP was established on 11-Feb-2021 as a Joint Venture of Tomasetto Achille India Pvt. Limited and Rawmatt Industries Pvt. Ltd to carry on the business of trading kits and cylinders of Compressed Natural Gas (CNG) to be fitted in buses, tractors, cars, and autos. With a fully equipped and centrally located office in the city of Thane, MH. Rawmatt TechnoSol is gradually expanding with a vision to be a leader in the supply of CNG kits and cylinders at affordable rates. Tomasetto is one of the leading CNG kit suppliers in India since 2001. Under Rawmatt Techno Solutions we have successfully converted Diesel Tractor and Diesel Auto To CNG.

Automobile Conversion



Petrol Cars, LCV's Conversion

All Petrol Cars, Autos & LCV's can be converted to CNG by installing an approved CNG kit. The performance on CNG gives better fuel efficiency & acts as environment-friendly fuel.



Diesel Auto-Rickshaw/Tractor Conversion

All Diesel Auto-rickshaw's & cars can be converted into CNG by installing an approved CNG conversion kit.



Diesel LNG Conversion

All the long route heavy vehicles such as diesel run transportation long haul trucks and buses can be converted into LNG by installing an approved LNG conversion kit.



CNG Cylinder Suppliers

China National Building Material Group Co. Ltd.

China National Building Material Group Co. Ltd. (CNBM), is the largest manufacturer of building materials and an integrated service provider in the world.

Sinoma Science & Technology (Chengdu) Ltd.

Sinoma Science & Technology (Chengdu) Ltd., is a wholly subsidiary of China National Building Group Co. Ltd. (CNBM)

Headquartered in Suzhou, China

- Facilities in Suzhou, Chengdu, Jingjiang, Jining.
- The annual capacity of over 800,000 cylinders.
- Over 60 years of design and production experience in high-pressure composite cylinders.

Rawmatt Techno Solutions LLP is the sole supplier of Sinoma's CNG type 1 Cylinder in India.



Tomasetto Achilles India Limited

Established in 1982 and still led by its founder, Mr. Achille Tomasetto, the Company is located in the North-East of Italy. Tomasetto is worldwide recognized for the technology, quality, and reliability of the products, as well as for the efficiency in providing service to the customers. Seeking continuous improvement, customer satisfaction, high flexibility, and investments in technologies for 39 years.

- Tomasetto Achille India Private Limited became the **1st company in India** to have approval for automotive kits.
- In January 2020, Tomasetto became the **sole supplier** of CNG kits to **Hyundai** for their BS6 variants.
- Tomasetto Achille India has gained experience and expertise in **diesel vehicle conversions in India for more than 20 years.**
- Tomasetto Achille India Private Limited signed **an agreement with Indian Oil Corporation in 2008 and renewed it in 2020 for marketing of its LPG conversion kits on Auto LPG outlets of Indian Oil Corporation in order to boost conversion of cars to LPG and increase the sale of LPG in the respective GA's.**

Suppliers to Hyundai

In 2020, Tomasetto Achille also became an OE supplier to Hyundai for its CNG range of vehicles, providing precise fuel solutions and components in accordance with the latest BS6 norms.



Exclusive Partnership with Indian Oil

Tomasetto Achille India Private Limited signed an agreement with Indian Oil Corporation in 2021 for marketing of its CNG conversion kits on Auto CNG outlets of Indian Oil Corporation in order to boost conversion of cars to CNG and increase sales of CNG.



Exclusive Partnership with



Worthington is a market leader in value-added steel processing, pressure cylinders, and heavy equipment manufacturing. The company has sales of 95 million cylinders annually and has 83 facilities located in 11 countries.

We are exclusive partners for India of M/s Worthington Industries, headquartered in the USA and listed at New York Stock Exchange (NYSE-WOR) for their complete range of cylinders.

Why Type-3 Cylinders?

A 100 litre Type-1 cylinder weighs approximately 100 kilograms

A 100 litre Type-3 cylinder weighs approximately 33 kilograms

Type-3 offers significant weight savings over traditional Type-1 cylinders

With a metal liner and full composite wrap, Type III puts you in the elite class when it comes to reducing cylinder weight and lowering the CO2 emissions of transport. Available for passenger vehicles as well as storage and transport applications in various sizes with pressure ranges from 200-880 bar.

Advantages of Type-3 cylinders:

- No permeation in Type-3 cylinders due to inherent properties of the aluminum line.
- Higher impact resistance in Type-3 cylinders
- Real fast-fill capability is achieved only in Type-3 cylinders
- Type-3 cylinders are safer in case of fire
- Type-3 cylinders feature a leak-before-break performance.
- Type-3 cylinders can withstand vacuum, i.e. no liner collapse.
- Improved stress distribution in Type-3 cylinders due to metallic liner vs plastic liner.

1st company in India to approve LPG valves and kits in 2004.

1st company in India to approve a Type-3 cascade way back in 2010.

1st company in India to install a Type-3 bus system way back in 2011

1st company in India to have supplied Hydrogen composite tanks to ISRO in 2014.

Recovery on CNG Kits

	DIESEL	CNG
Cost of conversion (INR)	A 0	6,35,000
Fuel Price (INR)	B 96	54
Mileage (KM)	C 3	3
Cost/Km (INR)	D=B/C 32	18
Cost/250 kms a day (INR)	E=D*250 8000	4500
Annual cost of run (330 days/year) (INR)	F=E*330 26,40,000	14,85,000
Pilferage (say 5% of total cost) (INR)	G=F*5% 1,32,000	0
Consolidated Annual cost (INR)	H=F+G 27,72,000	14,85,000
Savings over Diesel/Year (INR)	I=H1-H2 -	12,87,000
Savings over Diesel/Month (INR)	J=I/12 -	1,07,250
Recovery Period (Months)	K=A(CNG)/J -	5.92

Recovery on LNG Kits

	DIESEL	LNG
Cost of conversion (INR)	A 0	1,350,000
Fuel Price (INR)	B 96	60
Mileage (KM)	C 3	3
Cost/Km (INR)	D=B/C 32	20
Cost/250 kms a day (INR)	E=D*250 8000	5000
Annual cost of run (330 days/year) (INR)	F=E*330 26,40,000	16,50,000
Pilferage (say 5% of total cost) (INR)	G=F*5% 1,32,000	0
Consolidated Annual cost (INR)	H=F+G 27,72,000	16,50,000
Savings over Diesel/Year (INR)	I=H1-H2 -	11,12,000
Savings over Diesel/Month (INR)	J=I/12 -	93,500
Recovery Period (Months)	K=A(LNG)/J -	14.4

NOTE: LNG per SCM is equivalent to Diesel per Litre..

The given rates may change as per the fuel price and conversion cost.

Our Success

India's First CNG Tractor Launched



Rawmatt Industries has pioneered CNG Tractor Technology and successfully launched India's first-ever Compressed Natural Gas (CNG) Tractor.

We provide the best service for the farmers to convert their diesel-run tractors into CNG by installing approved CNG kits in the tractors. In all over India, we are the first to come with the best technology for converting diesel into CNG in collaboration with Rawmatt Techno Solutions and Tomasetto Achilles India Ltd.

In February 2021, we launched the CNG tractor and the following guests were present in the inaugural, **Shri Nitin Gadkari** (Union Road Transport and Highways Minister), **Shri Dharmendra Pradhan** (Petroleum and Natural Gas Minister), **V.K. Singh** (Ministry of Road Transport and Highways), **Shri Parshottam Rupala** (Minister of State for Agriculture and farmer welfare). All agreed that the most important benefit for farmers will be to save more than one lakh rupees annually on fuel costs, which will help them to improve their livelihood.



India's First Diesel Converted CNG Auto

We hereby provide our best services to all Indian auto-rickshaw owners to convert diesel auto to CNG. We are the first to come with the modern technology of CNG conversion providers to Indians in the most effective way. This is also our key step towards a sustainable, new, and renewable development goal of the country.

Auto-rickshaw plays an important role in urban transport in India. Around one-third of the world's auto rickshaws are to be used in India. Petrol or diesel engines pollute more than 13 times that of CNG counterparts. CNG is a soot-free gas, hence increases the life of the engine and reduces maintenance costs.

Advantages of CNG

- Petrol and Diesel contain heavy hydrocarbons which are difficult to burn and release so much Nox, CO₂, CO, and unburned hydrocarbon compounds. However, if instead of petrol or diesel we used CNG then it is clean, safe & environment-friendly fuel and burns easily. CNG contains lighter hydrocarbon mostly methane.
- CNG is also the cheapest fuel as compared to petrol and diesel.



Turnkey Project Contrator

EPC CONTRACTS

We are in process of executing several EPC contracts for corporate houses to fulfill their demand of setting up LNG stations and also helping them to convert their fleet of Trucks to LNG.



- We provide a complete solution for LNG/CNG/LCNG systems, equipment, and overall also for storage, distribution, regasification, etc.
- The solutions provided are enriched by the expertise acquired and resources developed over years in executing the Projects.
- Our retail station is set up at the customer's location. All the engineering work related to the civil foundation right from the layout plan to the civil foundation is completely ready to use for CNG/LNG station.

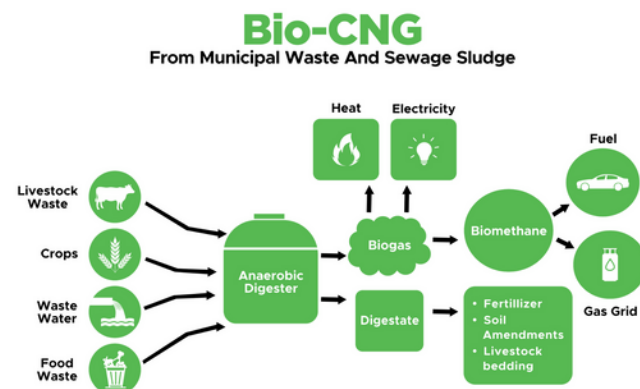
OUR STRENGTHS

- Operation and maintenance (O&M) of all types of equipment, LNG/CNG station installation, and all associated facilities.
- Operation and maintenance support including pump maintenance, static equipment, rotary equipment, tools & plants, PLC Scada, electrical maintenance, etc.
- Technical & Technological Support will provide for the contracted period on your premises.

Gas Production

BIO-CNG

Compressed BioGas/ Bio-CNG is entirely from agricultural waste, Bio-CNG is a renewable fuel that is identical in composition and equal or better in purity than fossil CNG. Bio-CNG is produced by extracting biogas from the agricultural, factory, and farm waste products like press mud, bagasse, rice straw, maize straw, wheat straw, and soybean husk through a patented process. The biogas is further purified to meet the standard IS 16087:2016, and compressed and stored under high pressure in cylinder cascades for use in transportation and industrial applications. We offer consumers the option to use a fuel that is equal or better in calorific value than fossil CNG while reducing their footprint on the environment.



The SATAT(Sustainable Alternative Towards Affordable Transportation) scheme aims to set up Compressed Bio-Gas production plants and make CBG available in the market for use as a green fuel. 'SATAT', launched on 1.10.2018, envisages targeting production of 15 MMT of CBG from 5000 plants by 2023.

Ministry of Road Transport and Highways, Government of India had permitted usage of bio-compressed natural gas (bio-CNG) for motor vehicles as an alternate composition of the compressed natural gas (CNG).



Leafiniti BioEnergy Pvt. Ltd.

Leafiniti Bioenergy Pvt. Ltd is the Gas production entity of the MRN Group, the organization aims at generating valuable, sustainable, and renewable resources with by-products and accelerating its presence in the Compressed Biogas industry. The company is committed to producing around 100/MT of Compressed Biogas per day by end of March 2022.

Leafiniti's first 10MT/day plant is in operation since March 2021 and also the company has done its foundation stone laying of the second 10MT/day CBG plant on November 27th, 2020 by the auspicious hand of Shri. Dharmendra Pradhan Ji, Hon. Union Minister of Petroleum & Natural Gas and Steel, Govt. of India.

We are in process of installing India's first Bio-LNG plant at Masal, Bhandara near Nagpur by Manas Agro and Leafiniti Bioenergy (a subsidiary of MRN Group) through a joint venture.

Exclusive Tie-up with Tata Power for EV Charging Solutions at Rawmatt CNG Station



Tata Power is one of the leading players in developing the EV Charging Ecosystem in India. They have deployed EV Charging solutions in over 40 cities across India so far including Delhi, Mumbai, Bangalore, Hyderabad, Pune, Chennai, Kolkata, Vishakhapatnam, Chandigarh, Ahmedabad and Lucknow and now in Nagpur at Rawmatt CNG Stations.



Our Clients



Humanity Ahead



GODAWARI POWER & ISPAT



Barbrik Projects Limited



VALUES REDEFINED



HANSATRAVELS



UBER



MAHESHWARI FOUNDATION
"GIVING IS LIVING, LIVING IS GIVING"
WWW.MAHESHWARIFOUNDATION.COM



K'S Group
SUSTAINABILITY



HYUNDAI



DCM SHRIRAM
SUGAR



VSI PUNE



MALEGAON SUGARS



Ambuja
Cement

Gallery



Gallery

