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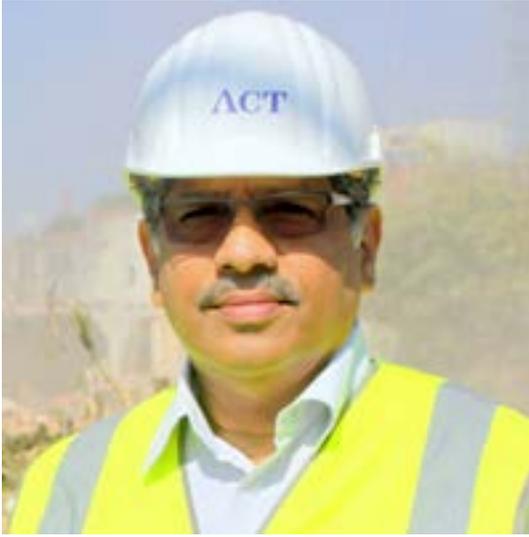
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## DEMTECH 2019

India's first demolition conference, Demtech, to be held on 13 Nov 2019 at Hotel Sahara Star in Mumbai. The event will highlight demolition, recycling and remediation amongst professionals in the construction industry. Formation of the IDA and first dedicated conference for Demolition industry, Demtech 2019 – marks a historic year for the Indian demolition industry.

By Mohan Ramanathan,  
Founder Chairman,  
IDA (Indian Demolition  
Association)

Welcome to the IDA Demolition Association LLP!

The demolition industry in India has become highly professional with new techniques and methods being implemented over the last decade. Having started in Delhi, Mumbai, Bangalore, Chennai, etc., the industry is now making its expertise felt across the country with over 200 demolition companies, employing around 4,000 employees, and over 1,000 medium and small contractors.

When I first entered this industry in 1997, it was quite a challenge being a demolition contractor. No one would believe that concrete could be drilled and sawn. But today, with access to professional equipment for sawing and drilling, Indian demolition contractors are executing challenging jobs, on par with their western counterparts. Recycling of Construction & Demolition (C&D) waste has become mandatory in India. Remediation of polluted sites is another area that is being taken seriously. New legislations on safety, the working environment, and handling of C&D waste have all brought greater professionalism to the demolition industry.

The high pace of construction of apartments, offices, airports, metros and the general expansion and improvement of the infrastructure, have increased demand for more advanced demolition methods and techniques. Also, many of the old and large power plants are being scrapped, all of which requires expertise in large-scale safe demolition. I have finally realised my dream of forming the first Indian Demolition Association – the IDA Demolition Association LLP, along with my colleagues and associates in this niche business. Many large demolition contractors have joined me to form the frame-work of IDA and draw up the guidelines for future growth.

IDA will be officially inaugurated during DEMTECH2019 at a grand ceremony on the evening of November 13. The much awaited Demtech2019 conference is expected to be attended by about 300 professionals from the construction and demolition industries. During the event, several politicians and industry experts from across India and abroad will hold lectures, and along with our sponsors and exhibitors, take the Indian demolition industry to the next level. Both Indian and International demolition companies will present case studies of projects and information on advanced equipment technologies. This will be followed by a panel discussion.

I am grateful to all our sponsors for their support. Our Headline Sponsor is Volvo CE. Associate Sponsors include Epiroc, Sennebogen, Brokk, Aquajet, and Hilti. Affiliate sponsors are Husqvarna, Edifice, Pentrunder, Fortress, Kemroc, Kobelco and Tyrolit.

IDA has also organized 10 Table-top exhibition booths for companies to share information on their products and services. I appreciate the support extended by trade magazines PDi and other Indian magazines for generating awareness about IDA and Demtech2019 conference. Our sincere thanks also to the International associations EDA and IACDS who are supporting the event. We intend to organize Demtech every alternate year and hope to make it a bigger event in the future.

Mr. Mohan Ramanathan

Please visit [www.demtech.in](http://www.demtech.in) for information on Demtech 2019



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Husqvarna is a 330 year old company with its roots originating from a small town of Huskvara in Sweden. Husqvarna started as a Swedish rifle/musket factory in the 17<sup>th</sup> century. During the years, Husqvarna has built up good reputation for a great variety of innovative, high quality products, including motorcycles and home appliances, which still are made with a branding license by other companies. The chainsaws and robotic mowers are probably the most iconic of our own products known to the public. Today, the Husqvarna Group holds a multitude of brands (with different global positions) within forest, park and garden care as well as in light construction equipment, with Husqvarna and Gardena being the group's core brands. Our customers are professionals in the construction industry. These are motivated people, working under tight schedules in all sizes of projects. It is their goals, challenges and needs that defines who we are, and what we do. It is their trust that we have to earn every day to become what we want to be. We want to be the construction and stone industry professionals' preferred choice through market and innovation leadership where we play.

This is our vision, and this is what all of us working in this company are striving to make real every day.

To keep market focus, we have divided our business into four segments. These are:

**Concrete sawing and drilling**, focusing on solutions for cutting and drilling in concrete structures and other hard construction materials.

**Concrete surfaces and floors**, focusing on solutions for preparing, producing and renovating concrete floors, slabs and paving

**Light demolition**, focusing on solutions built around our remote demolition robot concept

**Stone**, focusing on diamond tools for the stone business

To obtain maximum efficiency in our way of working, our organisation is set up according to these four business segments.

One thing that makes us unique in the industry is our customer-focused approach, with a holistic view of the customer's entire working day from start to finish, not only focusing on when the operator is running the machine.

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= 2 NOV 2019

I am pleased to know that the Indian Demolition Association (IDA), a professional collaborative body exclusively for the Demolition, Recycling & Redemption Industry in the country which is representing the industry with full strength has organised DEMTECH 2019 at Mumbai, MS on November 13, 2019. I extend my best wishes to the event and regret to chair the same due to pre-engaged programmes on the day.

In last couple of decades the nation has seen development of the Construction and Demolition Industry. The coming decade will witness the nation as one of the leading countries in the sector of construction and the demolition which is bound to come with it. The sector is a major one with huge potential for employment and needs to look after the safety things of the people who are working in the industry.

The nation is implementing the Swatcha Bharat Abhiyan under the apt and able leadership of the Prime Minister Shri Narendra Modiji and the demolition industry also plays a major role in the campaign. Besides, it can play a pivotal role in the Smart City movement in the country which has potential to change the face of the nation and take it on the path of development and progress along with the message of waste management.

Again, I extend my best wishes to DEMTECH 2019, congratulate the office bearers and members for taking initiative for formation of the association to represent a major chunk of the nation and wish success for the future works. I would be pleased to be part of such organisation in the future, share my views and also get acquainted with the new trends in the field.

With Regards I

Yours  
  
(Nitin Gadkari)

Shri Mohan Ramnathan,  
Chairman,  
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### MESSAGE

Urbanization, Industrialization, Economic and Population growth have resulted in increased municipal solid waste (MSW) generation making waste management in India a major problem. MSW generation per capita in India ranges from approximately 0.10 kg per person per day in small towns to approximately 0.50 kg per person per day in cities. As per CPCB annual report of 2015-16, the total quantity of waste generation has been 135,198 tonnes per day (TPD), out of which 111,028 TPD is collected, 25,572 TPD is treated and 47,456 TPD landfilled. The current situation is that India relies on inadequate waste infrastructure, the informal sector and waste dumping. Waste dumps have adverse impacts on the environment and public health. The traditional disposal mechanism for C&D waste in India is landfill which has been a great cause of concern from environmental point of view in urban areas. Indiscriminate dumping and non-utilization of generated debris results in fugitive air pollution and other hazards of solid waste dumping in drains, water bodies, empty plots and mixing up with municipal solid waste.

Therefore, sustainable and economically viable waste management ensuring maximum resource extraction from waste, combined with safe disposal of residual waste through the development of engineered landfill, waste-to-energy facilities and using waste as resource is call of the day. The Swachh Bharat Mission of Government of India under Ministry of Housing & Urban Affairs has targeted process of 100% solid waste including Construction & Demolition Waste in the major cities/towns.

I am happy to learn that Indian Demolition Association LLP (IDA) has been constituted to tackle C&D waste management in a scientific manner and it is overwhelming that IDA is organizing India's first Conference on Demolition, Recycling and Remediation (DEMTECH India 2019) on 13<sup>th</sup> November, 2019 at Mumbai. It is high time that C&D Waste is managed holistically and demolition is the first step towards tackling C&D waste. Historically, demolition has never been given attention in India and being done through informal sector without formal training of demolition. The formation of IDA will certainly help in understanding the demolition process in engineering way and I am sure such efforts will give a new fillip to Hon'ble Prime Minister's clarion call to build new sustainable India.

I wish the first Conference all success and sincerely hope that deliberations during the conference will bring easy to do recommendations which can be followed by all stakeholders and will give new perspective to handling of C&D waste.

November 1, 2019  
New Delhi

  
(Dr. Shailesh Kr. Agrawal)  
Executive Director

हम हिन्दी में किये गये पत्राचार का स्वागत करते हैं।

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### Message

Climate change is a big threat to the mankind in the present times. It is therefore everybody's responsibility to take action for bringing positive changes in the field of climate. Adoption of "Deconstruction" over demolition technique is one of the measures to reduce carbon emissions in the building sector.

I appreciate the initiative taken by Indian Demolition Association who is organising one day international seminar in which international experts will be sharing their valuable thoughts and providing a scientific overview to take up "Deconstruction" in place of "Demolition" from which Indian Demolition industry will get benefitted and contribute in the field of climate change.

I am sure that the knowledge disseminated through day long deliberations will also benefit those who are associated with demolition in the construction sector, even if not attending the seminar through this technical publication.

Usha Batra



"Be the Change you want to see in the world." - Mahatma Gandhi.



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# JOURNEY OF CONCRETE SAWING AND DRILLING IN INDIA:

By AKHIL JAIN (FOUNDER MEMBER-IDA  
DEMOLITION ASSOCIATION LLP)



**D**iamond concrete cutting industry in India starts from the Ancient era in its time from early 19th Century when no company was present in INDIA from extending their range of products for Core Cutting, Wall Sawing, Wire Sawing, Floor Sawing, Hand Sawing etc.

The journey begins with the entry of HILTI in INDIA in 1997 who educated and trained in the usage of Diamond Concrete cutting machines in Indian Industry.

This was followed by Hydrostress (Now Tyrolit), Hakken, Cedima, Lissmac etc. which supported the ever growing Indian market.

From the year 2000, people in Western and Southern part of India were slowly aware of concrete cutting techniques and the machines. But that was not same in Northern part of INDIA.

Here the Coring and Concrete Sawing was promoted by educating structural consultant to have it onboard rather than chipping/using jack hammers for these kind of jobs.

The contractors were educated and professional like engineers joined this profession to have the specialization in concrete sawing industry.

Now the modern era of this industry starts and companies like HUSQVARNA and GOLZ made their entry through

their distributor PRIME TECHNOLOGIES in Indian market.

This embarks the presence of concrete cutting machines to the small contractors by educating them for the usage of right for right job.

People in this era are using internet and are very well aware of the brands like Husqvarna, Golz, Hilti, Tyrolit, Lissmac, Cedima, Hakken etc.

During this period Hitachi also made their presence in Market by introducing CM12Y, the only available Electric hand held concrete cutter in Indian market.

And Bosch followed them by introducing Core drill machines and Core bits.

Now this industry is moving manifolds ahead with the introduction of machines and their consumables from China, Taiwan, Korea, Singapore, Europe etc.

Everyone is eyeing on the growth of Indian economy and compelled them to come INDIA for better prospects.

I, Akhil Jain hoping that this Indian Industry will grow very fast in upcoming time due to very high infrastructural growth and make the companies from overseas to setup their production units in INDIA.



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# Status of C&D WASTE RECYCLING IN INDIA



Mohan Ramanathan<sup>1</sup> and V G Ram<sup>2</sup>

<sup>1</sup> Founder Chairman - IDA, Chennai, India

<sup>2</sup> PhD Scholar, Dept. of Civil Engineering, IIT Madras, India \* Corresponding Author, Email: mohanact@gmail.com

\*Paper presented in International Conference EGRWMSE UOI, Chicago, USA 16-19 June 2019.

**A**BSTRACT. A major portion of C&D waste is generally dumped in landfills or unauthorized places in India causing considerable ecological damage. Several barriers such as inadequate regulations, lack of incentives, lack of awareness about recycling techniques, and unavailability of guidelines have been reported to hinder setting up recycling facilities in India. Amidst challenges, few recycling facilities have been commissioned and are operational in different Indian cities. Insights discussed in the paper could be very useful for policymakers in evaluating various interventions for promoting C&D waste recycling practices in other regions and countries.

## 1 INTRODUCTION

Indian construction industry is growing at an annual growth rate of 10% over the last 10 years. Indian real estate operations are estimated to reach a market size of 180 million USD by 2020 and about 170 million houses are expected to be built by 2030. Such rapid urbanization puts enormous stress on the environment towards satisfying the growing demands for natural resources such as aggregates in the construction industry. Moreover, estimates of Construction and Demolition waste generation in India range between 112 to 700 million tonnes/year. However, very few recycling facilities are available in India presently to recycle C&D waste being generated.

Tracing the evolution of recycling in pioneer Indian cities that had established recycling facilities could help

us understand the challenges being faced in developing recycling systems and thereby identify better ways of managing them in the coming years. In this paper, a historical account of C&D waste recycling status in India has been presented.

## 2 HISTORICAL BACKGROUND

The waste management operations in India are being handled by the urban local bodies in each city, continuing the practice as it is as inherited from the British rule. The city corporations were responsible for collecting the waste from the cities and dispose in the designated dump yards developed outside the city. However, the process of dumping the waste without any processing or beneficiation continued even after the independence for the past 70 plus years.

### BLIND EYE TO POLLUTION.

The industrial revolution made sure the focus was on development and hence, there was no importance given to curb pollution including waste management. There were no governing rules to tackle the situation then. It was believed that C&D waste contributes less pollutants to the environment as compared to other wastes and therefore the least importance was given to manage it. While waste-to-energy (WTE) plants started picking up, it is mainly restricted to organic matter in the solid waste, which can be converted to fuel.

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## GROSS UNDERESTIMATION OF C&D WASTE

In the Indian urban areas, there are no reliable estimates available regarding the quantity of C&D waste that is getting generated. Lack of reliable estimates was accused to be one of the reasons for lack of proper policies to improve C&D waste management in India.

## PILOT RECYCLING FACILITY.

One of the biggest milestones in the steps to improve C&D waste management in India was the setting up of a pilot recycling facility in New Delhi where around 4000 tons of C&D waste is being generated every day. On an average, around 2000 TPD of waste is being dumped in the corporation run landfills. The remaining waste gets dumped in unauthorized sites. Amidst these problems faced by MCD, the development activities related with hosting Commonwealth Games (CWG) in 2010 added more pressure to the corporation. Anticipation of huge quantity of C&D waste generation due to CWG, the Municipal Corporation of Delhi initiated the establishment of setting up a pilot C&D waste processing facility in its jurisdiction.

Municipal Corporation of Delhi (MCD) in collaboration with IL&FS Environmental Infrastructure & Services Ltd (IEISL) developed a C&D waste processing facility operating on a PPP model.

IDA.NOVEMBER.2019

The plant initially had a mobile crushing unit and was indulged in de-sizing and desilting operations. Once the aggregates are recovered from the processed waste, value added products such as production of RMC, pavement blocks, kerb stones, concrete blocks and bricks were produced and sold. The main source of income for the facility is from the sale of the recycled products and value added products. Tipping fee that includes the transportation and processing fee forms the second major source of income.



Figure.2 Machinery and output products of recycling facility at Burari, New Delhi

## BARRIERS AND LESSONS LEARNT:

The management of the facility faced many barriers in the C&D waste recycling process as well as in the sale of recycled products. The market acceptance of the

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recycled aggregates was also low. Hence various value added products were produced and sold as a finished product instead of selling as a raw material. The design of concrete mixes was also carefully prepared such that the quality of the product does not get affected because of the use of recycled aggregates which are slightly inferior in quality as compared to quarried aggregates.

Some tax concessions on these products were also of great help them in making it possible to compete with other products available in the market.

## 2.1 Initiatives of Expert Organizations and Professional Bodies

Awareness of C&D waste management was still low even among the policymakers. Several expert organizations from all over the country started to work on it. The Indian Concrete Institute (ICI), the Central Public Works Department (CPWD) and IIT Madras along with experts from all over the world shared their experiences on C&D waste management at workshops.

## 2.2 C&D Waste Management Rules (2016)

Until 2016, Municipal Solid Waste (management & handling) rules, 2000 provided the overarching framework that governs management of all solid waste generated in Indian cities. Because of the lack of awareness and the historical background explained, this regulation lacked details about C&D waste management. Ministry of Environment, Forest and Climate change notified this new set of rules superseding MSW rules, 2000, to be called as the Construction and Demolition Waste Management Rules, 2016. This became one of the very big milestones for C&D waste management in India.

According to the rules issued in 2016, various stakeholders involved in the C&DW management have been assigned a specific role to be played in the process. The waste generators were thrust with the responsibility to collect, segregate and store the C&D waste generated within the site premises. The generators of waste are also required to pay the cost for storage, collection, and transportation. Large generators (generating more than 20 tons per day or 300 tons per project in a month) were also required to bear the costs for processing and disposal of the generated waste. It is also their responsibility to give an undertaking for proper disposal of C&D waste as per the local bye-laws, requiring submitting waste management plans for approvals before construction or renovation activities.

Urban local bodies have also been assigned various duties for management of C&D waste. The state government has been given responsibility to help identify the land needed for setting up recycling plants for C&D waste. For improving the acceptance of recycled aggregates for

reuse in concrete, the BIS and IRC have the responsibility to bring out changes in the design codes and guidelines. These rules also set the standards for the setting up of a recycling plant, including the various types of machinery needed, along with various environmental factors for its safe operation. Strict enforcement was also found to be lacking in the cities.

## 2.3 National Initiatives

The Government of India launched 'Swacch Bharat Mission' in 2014 (translates to 'clean India mission' in English) with an aim to clean up the streets, roads and other infrastructure of India's cities, towns and villages.

The Government of India also launched 'Smart Cities Mission' in 2015 to develop 100 cities that are sustainable and citizen friendly. One of the requisite clauses of a smart city is to have an operational C&D waste recycling facility.

## 2.4 Publications Available for Practicing Engineers

The concept of recycling is still new to India and understanding the need for guidelines to help practicing engineers, some of the professional bodies with the help of experts have come up with publications relating to collection, processing and utilization of C&D waste. Indian Concrete Institute (ICI) drafted the document titled "Recycling, Use and Management of C&D wastes." The Building Materials & Technology promotion Council (BMTPC), the Central and state pollution control boards have also issued guidelines for proper handling of C&D waste.

## 3 Today's scenario

Increasing awareness about conserving natural resources and C&D waste management is a booster for the country with respect to resource efficiency. Having implemented several recycling projects in multiple cities, the technological expertise to recycle C&D waste is not a problem anymore. The focus of the government towards resource efficiency, clean India, and several other campaigns has sent out a clear message to the public about its interests in implementation and expectations from the industry.

The works of several organizations and professional bodies in the area of C&D waste recycling led to the change in the codal provisions that earlier prevented the usage of recycled aggregates for the production of concrete used in construction.

Problems peculiar to Indian urban areas. While a lot has been changing in the recent times, there are several problems that are very peculiar to Indian urban areas with regards to C&D waste management. One of the big problems is with respect to the data. Lack of proper

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book keeping practices about C&D waste and reliable data from the cities raises doubts on the accuracy of the estimates. Based on the experts' opinions and data in refereed journals, 500 million tonnes of annual C&D waste generation in the country looks very much possible.

Availability of river sand has become scarce in the Indian cities owing to local ban on quarrying sand from river beds in the recent years. Manufactured sand (crushed rock to fine aggregates size), a material produced during the process of quarrying and crushing for coarse aggregates, is increasingly becoming popular as a substitute to river sand.

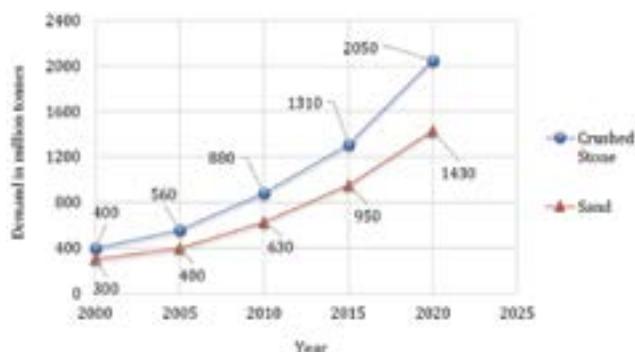
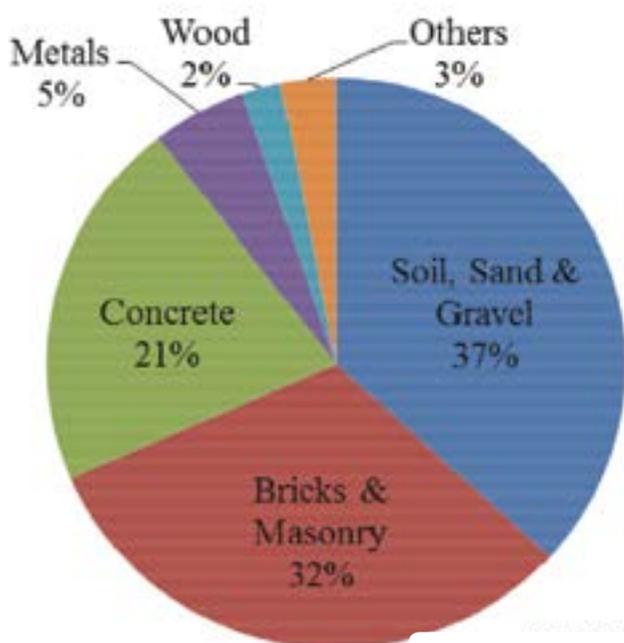


Figure.4 Demand for aggregates in India

#### 4 Concluding comments

The National Green Tribunal, playing the role of a watch dog, is very active and has made it clear that the natural resource (be it in quarry or in riverbed) cannot be exploited anymore and need to be protected. Since there is a huge demand that exists in the construction sector and a large amount of C&D waste being generated, C&D waste recycling seems to be a sustainable solution and could potentially be a partial substitute that can alleviate several problems of the society.

Some of the incentives such as tax credits for recycling and recycled products, providing land and other crucial resources for setting up recycling infrastructure on low rates could help the recycling environment to thrive. Strict enforcement and the willingness from people to use recycled products are needed. The carbon footprint reduction potential in utilizing recycled aggregates instead of quarried aggregates is to be factored in the equations while proposing incentives and other mechanisms to boost the recycling industry.



Source: TIFAC (2001)

Figure 3 Composition of C&D waste in India

The demand for aggregates in the Indian construction sector is projected to be about 2 billion tonnes of coarse aggregates and 1.4 billion tonnes of sand (fine aggregates) by 2020 as shown in the Figure 4 [7]. Even if the 500 million tonnes of the entire C&D waste generation in the country is recycled, it can just partially substitute the demand that exists in the sector. Hence, if C&D waste recycling is not pursued, very high amounts of domestic resource extraction is the most probable response to meeting the growing demands.





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### MR. ERICH AND WALTER SENNEBOGEN

Managing Directors of  
SENNEBOGEN

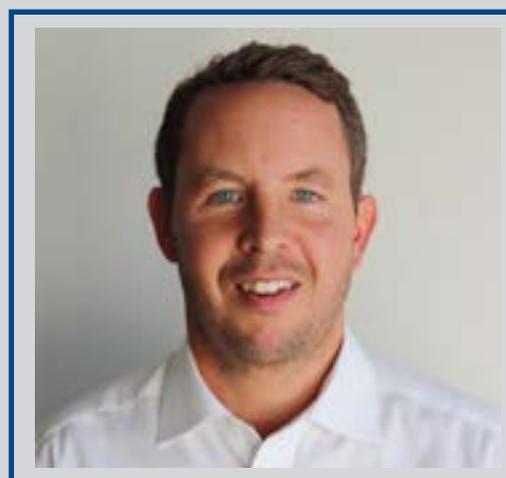
**I**DA and DEMTECH 2019 breaking ice for professional demolition approach in India

We are pleased to see that the first Indian Demolition Association has been formed that will bundle the main Indian industries market players and technologies and will also form the best basis to standardize processes and allow room for trends to develop. The DEMTECH 2019 will give room for all players to gather in the right format to present and share market leaders' ideas and opportunities, and we as SENNEBOGEN are proud to be present from the beginning. We wish all members all the best for the future to develop a prospering Association and organize a great event in India.

### MR. JOAKIM FURTENBACK

Sales Director - Brokk AB

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General Manager India  
Husqvarna Construction Products

**C**ongratulations & Best Wishes on the formation of IDA. I am sure Demtech will prove to be a great forum and meeting ground for demolition professionals going forward.



**MR. E. MOSES**

Vice President – Sales & Marketing  
KOBELCO

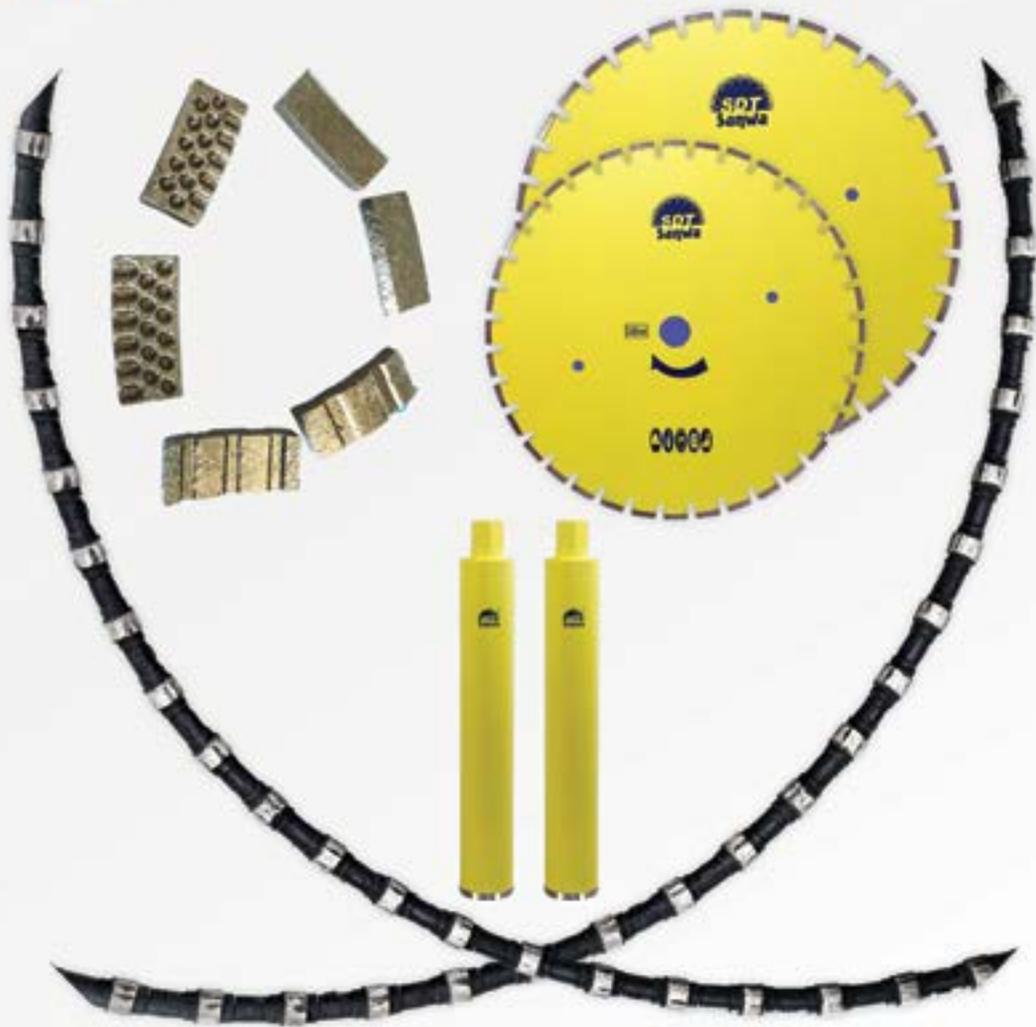


**MR. WOLFGANG WIEFLER**

Managing Director  
Marketing & Sales  
bei Tyrolit Construction Products  
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**I**ndia has always been one of the most strategic markets for TYROLIT. We look forward to this wonderful initiative by IDA demolition association, which brings all key suppliers and contracting companies on one platform. This will give us the opportunity to show our products and technologies to valuable customers and to understand the customers' current needs, in order to be able to adapt to their changing requirements. We wish IDA a lot of success for India's first Demtech!

**G**reetings & Best wishes from KOBELCO, the original manufacturer of Demolition & Recycling Excavators from Japan. We are happy and excited to be a part of Demtech which can take this highly specialized application to its rightful position in the country by creating the awareness about the key advantages of mechanization using such Excavators, designed for Safe and fast Demolition and Recycling.



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**T**he associations have the purpose of giving a collective voice and visibility to an industrial segment or to companies that perhaps individually would not have the power and strength to be heard. They aim to regulate, to draw up guidelines, to protect and at the same time to grow the companies that adhere to it. Trevi Benne is one of the leading companies in the world in the production of demolition equipment, recycling and remediation industry, it is already a sponsor of three trade associations and we have decided with enthusiasm to participate and support India's first professional Demolition association. It is a professional and direct way to get to know the main players in the Indian demolition segment, to understand the work dynamics and allow us to strengthen our brand.

**I**very much believe in joining forces in the demolition and recycling industry to generate synergy, innovation and continuous improvement. These are exactly the values where Demarec, as member of the Kinshofer Group stands for. We support the foundation of India's Demolition Association (IDA) and are joining the Demtech Conference because Demarec and Kinshofer are convinced that this is a gate-opener to the Indian market. I am looking forward to meeting all industry experts, fellow professionals and other stakeholders.



**MR. MARCEL VENING**

Managing Director - Demarec  
([www.demarec.com](http://www.demarec.com))

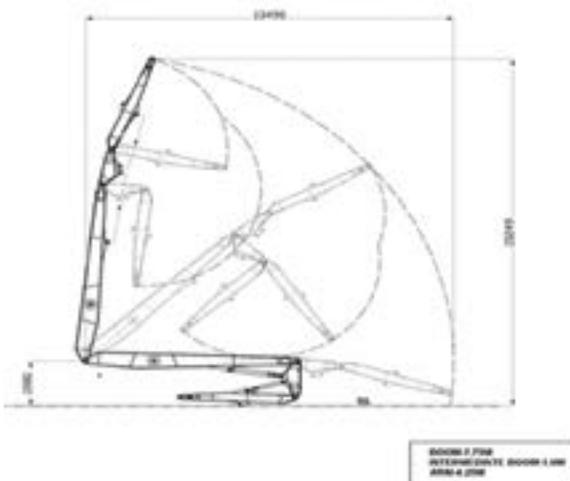


**MR. V. G. SAKTHI KUMAR**

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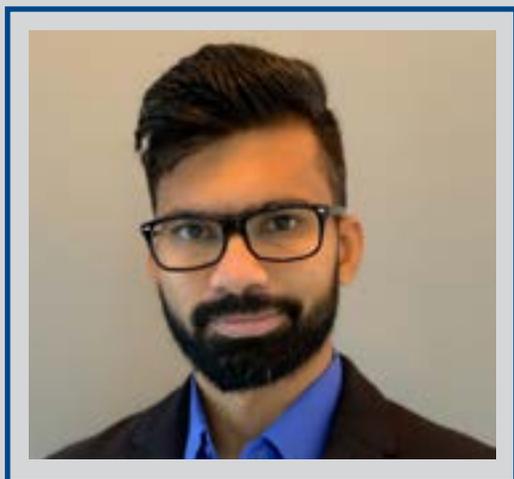
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**I**DA is a platform to bring all the small as well as large players at one level to make them feel proud of the service they are providing to the industry. This platform will make people aspire to join the demolition industry more and more to serve mankind. I wish IDA should become a vision finder for all its members.



**MR. SANDEEP T. INGALE**  
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**MR. KEVIN KANG**  
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# IDA Demolition Association LLP



## MEMBERSHIP APPLICATION FORM

This information is used to issue membership fees. It is for the internal records of the IDA. However basic information will be published on all the listings of IDA members.

### 1. General information

Company/Association Full Name: \_\_\_\_\_  
 Trade name / Short name : \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ Pincode: \_\_\_\_\_  
 Telephone: \_\_\_\_\_ Country: \_\_\_\_\_  
 GST Number: \_\_\_\_\_ Website: \_\_\_\_\_  
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(for non indian companies)  
 Nominated Representative Name: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

### 2. IDA Membership Categories

a) Lifetime membership   
 ▶ Patron

b) Annual membership   
 ▶ Institution/Organization   
 ▶ International

### 3. Membership Fee

▶ Patron: INR 5 Lakhs + GST (one time payment)  
 ▶ Institution: INR 20,000 + GST per annum  
 ▶ Manufacturers & Dealers: } INR 40,000 + GST per annum  
 ▶ International: USD 1000 per annum

### 4. Membership Criteria

- ▶ Must be a Manufacturer or dealer of accessories related to the industry.
- ▶ Institutions and Individuals who have potential contribution to the industry (user/enabler).
- ▶ Contractors who are active in the industry.
- ▶ Must own plant and machinery worth at least Rs.1Cr in their books at the time of application. (applicable for Indian contractors only)
- ▶ Average business turnover from demolition contracts in books of accounts for last 3 years should be not less than Rs.2Cr per year. (applicable for Indian contractors only)

### 5. Membership Benefits

- ▶ Projecting your Corporate Image.
- ▶ Generating Business.
- ▶ Cultivating Technical Expertise through training.
- ▶ Knowledge on latest equipment and methods.
- ▶ Providing Professional Development.
- ▶ Gain Respect in the industry.
- ▶ Get your company rated.
- ▶ One Free Delegate Pass for IDA Events.
- ▶ Special Discount for IDA Publications.
- ▶ Permission to use IDA logo in your letterhead & cards. (after due permission from IDA Secretariat)

### 6. Fee payment

The membership fee is calculated from the month the new member joins the association till the end of 12 months period. Once the evaluation process is completed by the Committee, fees shall to be paid by online bank transfer to the IDA account. For Institutional and Patron members only one person shall be nominated.

### 7. IDA Bank Details

ACCOUNT NAME : IDA DEMOLITION ASSOCIATION LLP ACCOUNT NUMBER : 919020007455981 IFSC CODE : UTIB0000782  
 SWIFT CODE : AXISINBB082 MICR CODE: 6002110256 GST NO:33AAHF18007J1ZE PAN NO: AAHF1800TJ  
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### 8. Membership agreement

By signing this document I/We agree to become IDA member according to the official By - laws of the Association.

\*Conditions Apply: Committee reserves the right to reject any application without any explanation and prejudice. The applicant may be asked to present himself or his representative, if called by the Committee.

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Signature \_\_\_\_\_

#### IDA DEMOLITION ASSOCIATION LLP

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