



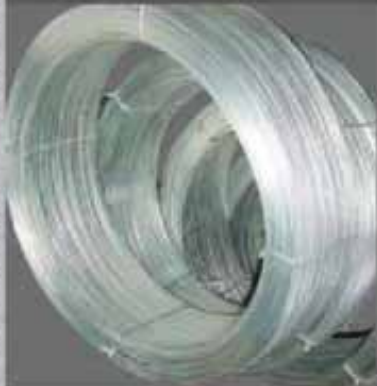




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# Message from President

It gives me immense pleasure in presenting a special 25th Anniversary magazine. The journey has been so exciting, fun filled and quality rewarding that it feels like yesterday. When we look back, the whole story just flashes in front of my eyes and I would like to take you through the same.

It all started with our visit to London in 1988 on invitation from Nickel and Chrome producers. At that point in time only four Stainless Steel Development Associations were existing (Japan, Germany, Italy & South Africa) and it was observed that there has been a marked difference in the stainless steel market development in these countries compared to others and that made us think about India. We could feel that a neutral body with the sole purpose of developing a market has larger influence when compared with different organization working in parallel to increase their market.

The excitement paved the way and formally ISSDA was born in November 1989 as non-profit organization taking in to confidence the key manufacturers of stainless steel. Some of you may recall that, in India, just before the formation of ISSDA the only place where you can find stainless steel usage was for pots and pans which accounted for more than 90% of stainless steel usage in the country. This was the time when Cr-Mn 200 series stainless steel started and today we all know that 200 series grades dominates the Indian market and are well established in variety of other applications. ISSDA along with Bureau of Indian Standards (BIS) conducted all the tests and three new grades under 'IS 15997 : 2012' were notified. China followed Indian example in Cr-Mn grades and today these grades occupy 21% of world market. ISSDA and its member companies kept on promoting stainless steel in various other end use sectors. Despite having numerous examples & success stories from western World the most formidable problem lying in front of us was that SS was still perceived to be very costly material and lack of technical expertise & quality fabricators made engineers & profession hesitant to recommend it for various engineering & other end uses. Today what we see in the Railways, Airports, Metro Coaches, Bus Shelters, Infrastructure projects, Dairy / Sugar Industry, etc is the result of innumerable efforts that have gone in to bring it to this level. Our persistent efforts, focused plan & strategy to promote stainless steel have paid rich dividends and India is now positioned as the 3rd largest producer registering nearly 3 million tons of output in 2013. Indian consumption of stainless steel has gone up to more than 2.4 million tonnes from what it was at 0.2 Million tonnes in 1989 when ISSDA was established.

What gives me more pleasure is that today India is not only meeting its domestic demand in all application areas but also actively exporting stainless steel in long and flat products and value added finished products to large parts of the World.

This journey of transformation will be incomplete without my acknowledgements to ISSDA staff, Nickel Institute, our members and government officials and end users, who have played an active role and given unrelenting support to our plans. I must also tell you that in the last 25 years the worldwide count of Stainless Steel Development Association has gone up to 24. ISSDA has a major place among them and is widely respected by all for its work in India and support to other associations. We are also actively associated with International Stainless Steel Forum.

"Moving Ahead for Stainless Steel Growth"

Best Regards,

**N. C. Mathur**  
President, ISSDA





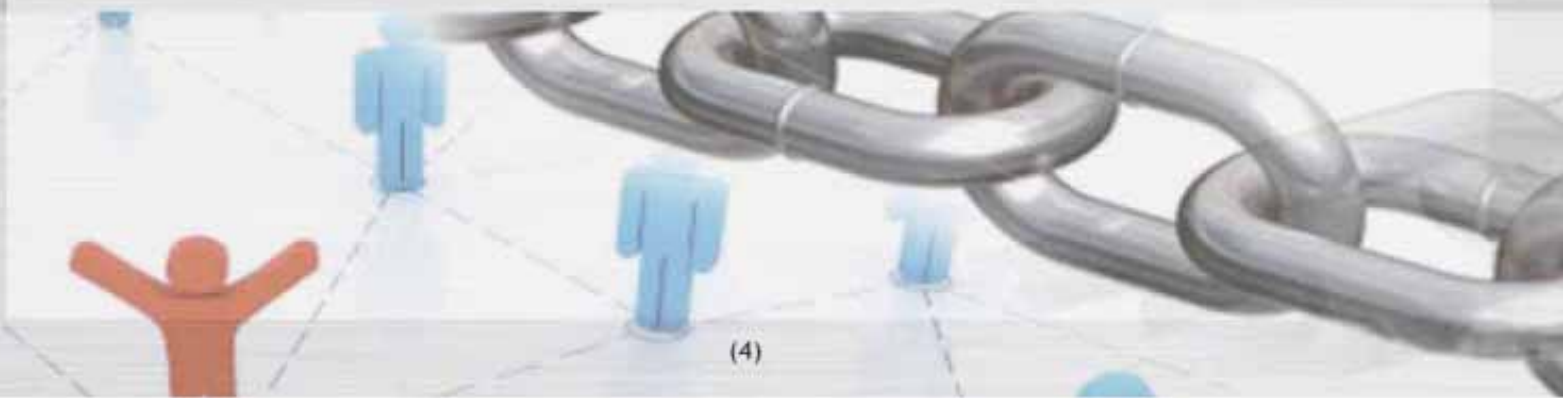
## Indian Stainless Steel Development Association : The Unified Market and Promotion Arm of the Industry

The Indian Stainless Steel Development Association (ISSDA) is the unifying point for the growth and development of stainless steel usage in India. Founded in 1989 by leading stainless steel producers, it was formed with the explicit objective of diversifying the applications of stainless steel in India and increasing usage volumes in the country. At the point of formation of ISSDA, the main visible application in daily life was essentially household kitchenware.

Through the focused efforts of ISSDA and its member companies, the widespread and visible use of stainless steel in different walks of life is all too evident, especially in the Architecture, Building & Construction (ABC) and the Automotive, Railway and Transportation (ART) sectors. All-stainless steel railway coaches, Delhi Metro coaches, wagons for carrying coal & minerals, airports, corporate buildings, retail shops & shopping malls, the ever-wider use by the hospitality industry, even bus stands, railway platform roofs, building hardware - you name it and stainless steel is making its presence felt there. It has become the most aspired material of construction for thousands of small and big things, apart from the chemical and food process industry where the use of stainless steel is mandatory. With the economy booming, there is increasing demand for a wider range of products and services in stainless steel.



Such a change of fortunes for this material has made been possible through unremitting creation of awareness about the benefits of stainless steel amongst engineers, architects, designers and a host of professionals responsible for specification of materials of construction and at the same time providing help to fabricators to fabricate and finish stainless steels in technically correct manner. Today stainless steel melt production in India has increased from 0.5 million tonnes in 1994-95 to nearly 3million tonnes in 2012-13.



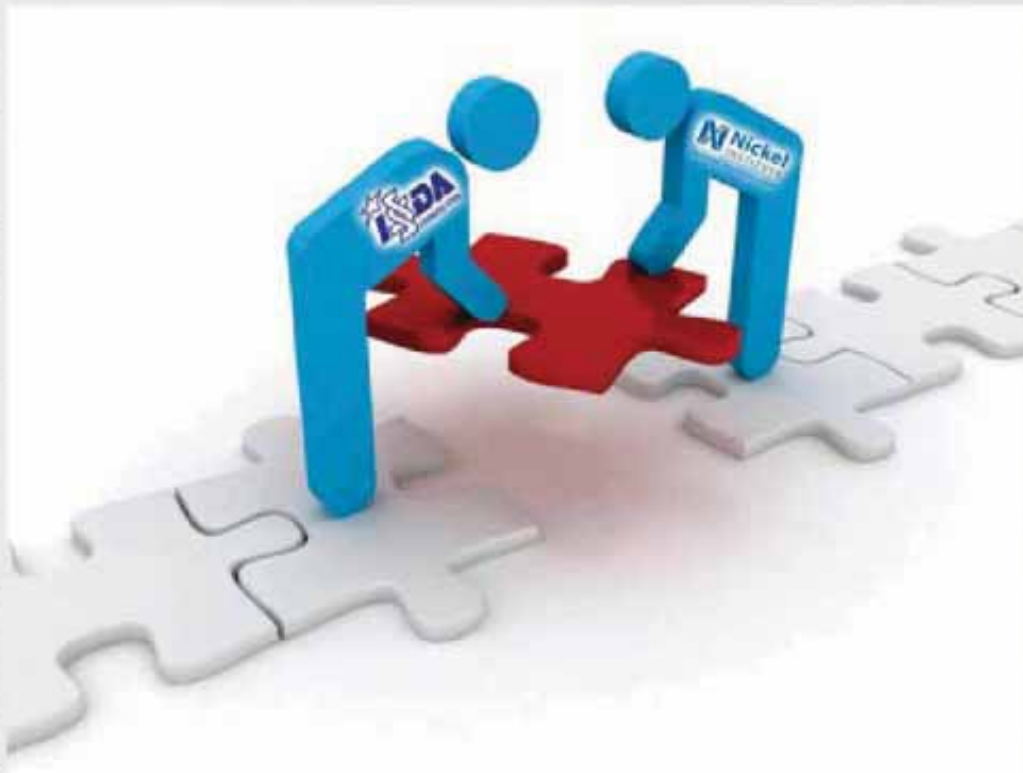
After about 25 years of persistent efforts, the influence of ISSDA is growing both in the private sector and the public sector.

The technical strength of ISSDA is derived from its close association with the **NICKEL INSTITUTE** ([www.nickelinstitute.org](http://www.nickelinstitute.org)) which is the global association of the world's primary nickel producers, the International Stainless Steel Forum and close collaboration with more than 20 national stainless steel development associations (SSDAs) around the world.

ISSDA has access to vast technical resources in the selection of proper grade of stainless steel for various service environments, as well as matters related to fabrication. This service is provided free of charge. ISSDA organizes workshops for specific end-use applications of stainless steel targeted at designers, material specifiers, engineers, architects, maintenance personnel; workshops for improving the quality of welding & fabrication; international conferences for increasing the awareness of applications among the stainless steel industry.

**ISSDA provides free technical assistance and guidance in :**

- Stainless steel grade selection
- Welding
- Fabrication
- Surface finishing
- Sourcing of products and services



Main objective of ISSDA is to develop new markets and to support growth in existing markets for stainless steel. We strive to increase awareness of the technical and life-cycle cost advantages of stainless steels.



# United We Stand



## ISSDA : The Making of a Common Platform of Stainless Steel Industry In India

Conferences are designed to build meaningful, mutually beneficial connections, share & spread the knowledge and information. ISSDA over the 25 years has been successful in rallying the industry to a common platform and in the process has been able to organize some major conference for stainless steel industry in India.

### A timeline of Some Major Conferences

#### Two days International Conference and Exhibition on Stainless Steel



The Inaugural session of the Conference (L-R) Mr. Ratan Jindal, MD, Jindal Strips Ltd., Mr. Rajesh V Shah, President, CII, Mr. Sureshchandra Mehta, Hon'ble Minister for Industry, Govt. of Gujarat, Mr. Ashok Basu, Secretary, Department of Steel, Govt. of India, Mr. N C Mathur, President, ISSDA, Mr. Rajendra Shah, MD, Shah Alloys Ltd.

ISSDA celebrated its 10<sup>th</sup> anniversary by organizing a programme focused on the applications of stainless steel in the ABC and ART sector on Dec 2, 1999 at India Habitat Centre, New Delhi.



At the Inaugural session, seated from the left to right are Mr Rajendra V Shah, Vice President ISSDA; Mr. Ashok Malhotra, President, ISSDA; Mr Ashok Basu, Secretary Ministry of Steel, Govt. of India; Mr. Arvind Pandey, Chairman, Steel Authority of India Ltd., Mr. N C Mathur, Advisor ISSDA



**ISSDA's second international conference "Stainless 2002 - Markets & Applications"**



Mr. Braja Kishore Tripathy, Hon'ble Minister of State for Steel (Independent Charge), Ministry of Steel, Govt. of India was the Chief Guest.



At the inaugural session of the conference (L-R) Mr. Rajendra V Shah, Vice President, ISSDA; Mr. Ratan Jindal, Vice Chairman & MD, Jindal Strips Ltd; Mr. N C Mathur, President ISSDA; Mr. Ramesh R Gopal, Secretary, ISSDA.

**The 8th International Stainless Steel Conference (Nov. 6-8, 2005, New Delhi) organized by CRU EVENTS in association with ISSDA**



The 8<sup>th</sup> International Stainless Steel Conference (Nov 6-8, 2005, New Delhi) organized by CRU events in association with ISSDA and supported by Jindal Stainless cast a magic spell among the audience. The 370 registered delegates comprised of a galaxy of stars from the International stainless steel community and India



### ISSDA Celebrates its 20th Anniversary CRU's 12th World Stainless Steel Conference held in Mumbai



In a grand event held in Mumbai during 22-24<sup>th</sup> November, 2009, ISSDA celebrated the 20<sup>th</sup> Anniversary of its founding. This celebration was combined with the 12<sup>th</sup> World Stainless steel conference of CRU, a London based authority on worldwide commodities including stainless steel.

### ISSDA Celebrates 100 years of Stainless Steel.



Celebrating 100 years of Stainless Steel In a grand event in New Delhi on October 9, 2012, ISSDA celebrated the hundred years of stainless steel. This event was supported by the Federation of Indian Chambers of Commerce and Industry and was attended by the prominent personalities from the International Stainless Steel Forum, stainless steel development associations from around the world, stainless steel industry and users of stainless steel.



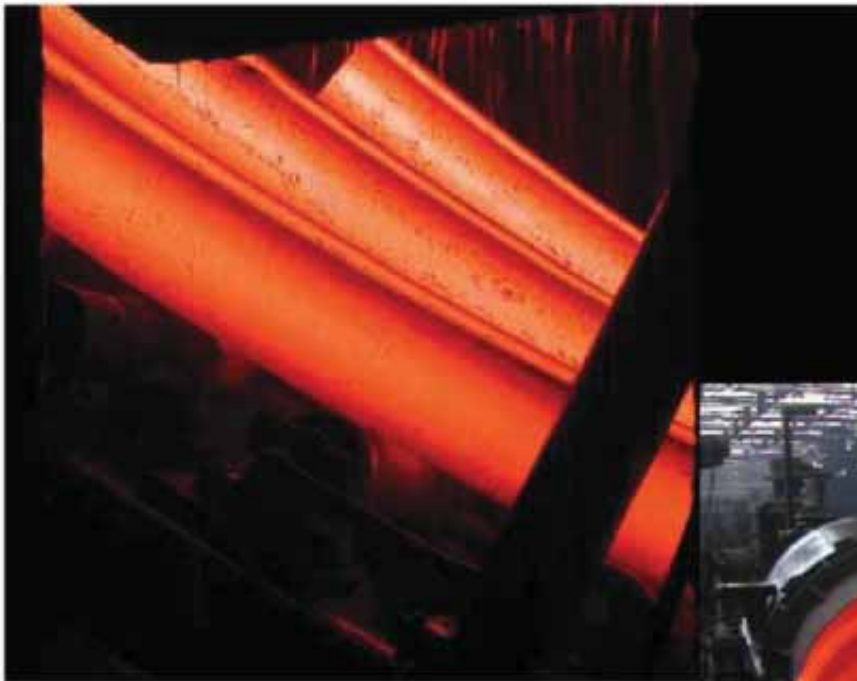
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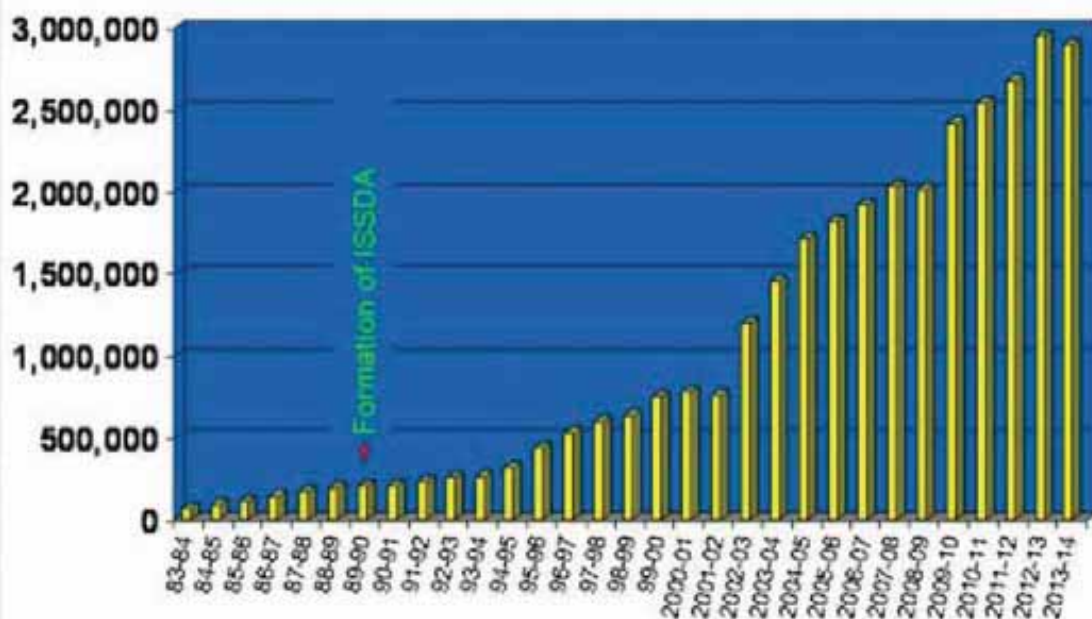


# Indian Stainless Steel Industry - A Long March

By N C Mathur, President ISSDA

## Now India is the World's 2<sup>nd</sup> largest user and 3<sup>rd</sup> largest producer of Stainless Steel

In 1989, the Indian Stainless Steel Development Association (ISSDA) came into being with the objective of diversifying and expanding the domestic market for stainless steel. At that time, India was a very small player producing about 200,000 tonnes of stainless steel, primarily for the kitchenware market. In the year 2013-14 annual melt production of stainless steel rose to 2.90 million tonnes- (Mill products were 2.6 million tonnes). The historic chart below shows the production of India over three decade. In a matter of 22 years stainless steel production volume in India increased 14 times from 0.2 million tonnes to 2.92 million tonnes! From being a very small player in 1989, in 2014 India is ranked the 3<sup>rd</sup> largest producer of stainless steel in the world, behind China and Japan.



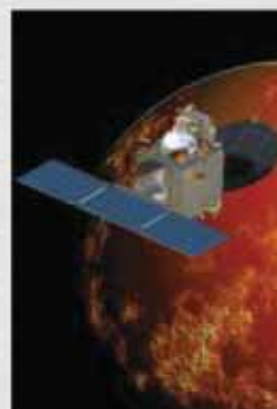
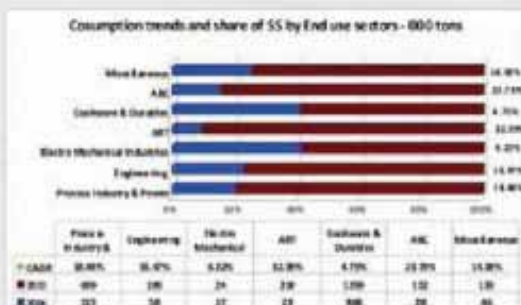
History of Stainless Steel Production ( tons)





## India's Long March

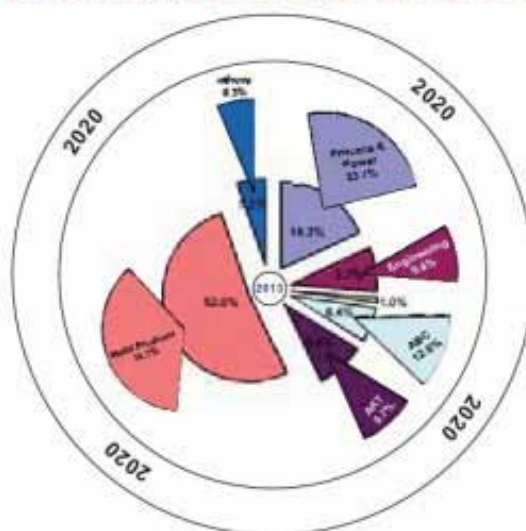
In the last two decades, stainless steel has undergone a tremendous change in perception and production volumes in India. From being seen as a material good only for kitchenware, it is now seen as a wonderful engineering material that lasts for decades and gives you value for money. A study of end use pattern for stainless steel made in 1993 showed that the total share of stainless steel in the construction and transportation (ABC & ART) sectors was less than 1% in India which is now nearly 16% which is still below a western world average of 26 %.



## Outlook 2020

We firmly believe that in the ABC and ART sectors, we have largely initiated the curiosity for stainless steel. Newer sectors like household plumbing in thin-walled stainless steel and the water industry as a whole (potable water treatment, waste water treatment plants, large-dia pipes for carrying water), reinforcement bar for concrete, domestic and auto-LPG cylinders, automobile exhausts for two and four wheelers, bus bodies etc, should be the areas where benefits of use of stainless steel will be seen in times to come.

### End use application 2013 / 2020





# Stainless Steel & Rail Transportation - A Long Journey Ahead...

by Rohit Kumar, Director, ISSDA





The Indian Railways is the largest railway system in the world under a single ownership comprising 115,000 km of track over a route of 65,436 km and 7,172 stations carrying one million tonnes of freight and 23 million passengers every day. They have about 239,281 wagons and 62,924 passenger coaches. It has always been an important sector for stainless steel industry from market point of view. Indian Stainless Steel Development Association (ISSDA) and its members have been actively pursuing the Indian Railways for well over a decade and it has shown tremendous growth in consumption of stainless steel.

The Indian Railways is drawing up an ambitious \$ 18.5 bn modernization plan spread over the next five years. This amount will be spent on modernization of railway signaling, track and rolling stock so that modern services could be provided to passengers in their coaches and platforms and freight customers at low prices by bringing down the unit cost.





## Railway Long Distance Passenger Cars

Indian Railway are currently procuring around 2500 coaches/yr. The main producers of coaches in the country are RCF Kapurthala, ICF Chennai and BEML Bangalore. The newly built production facility RCF Rae Bareli, fully dedicated to produce stainless steel coaches, has started its operations too.

### Main Passenger Coach Manufacturing Facilities in India

- Rail Coach Factory, Kapurthala
- Integral Coach Factory, Perambur
- Rail Coach Factory, Raebareli (Partial production started)
- Palghat Factory - Yet to be started

### Capacity of production units :

Factory	Capacity	Production in 2012-13
Rail Coach Factory	1501	1680 (470 LHB St. Coaches)
Integral Coach Factory	1400	1620
Raebareli Factory	1000	To roll out soon !

Initially Stainless Steel was used in coaches for roofing and trough flooring. The manufacturing of LHB model coaches, which are used in Luxury A/C segments in India, completely transformed the usage of stainless steel. The all-stainless steel LHB designs from Germany greatly reduce the weight of coaches, to the tune of 40 per cent and lead to enormous savings in fuel and to a great extent in maintenance. Having assessed the performance and benefits of LHB coach design, the Indian Railways decided to phase out all corten steel coach production and switch to all-stainless steel coach production. The Railways

has proposed to completely switch-over to LHB stainless steel coach production mode at the Rail Coach Factory, Kapurthala. In the case of ICF it is proposed to adopt stainless steel shell for the ICF bogies in future from current corten steel. ICF in FY 2013 Manufactured 1511 coaches which may go up to 1600 this yr. Almost 10% of the coaches produced by them are in Stainless Steel balance in MS. Each normal coach consumes 1 to 1.5 tons of Stainless Steel mostly for roofs and trough flooring. For LHB coaches RCF uses about 5 tons of Stainless Steel/coach in which 60% is 409 and 40% is 304. Almost 500 coaches were made last year which is likely to go up to 700 this year to grow by 200 more in the next yr. In future larger and larger quantities of Stainless Steel coaches will be produced. In an ambitious move, the railways have decided to replace all its traditional blue coloured Express train ICF coaches (item 6) with the new and popular stainless steel made LHB coaches that are now being used in only select trains that include Rajdhani, Shatabdi and Duranto. The target is to replace all rakes of running express trains to LHB by the end of 2016. In the beginning, the AC rakes are to be replaced. In future there will be rapid growth in Stainless Steel consumption in coaches due to increased requirement and higher substitution with Stainless Steel. Also Railways in order to avoid repeat painting of the shells have decided to switch over to Austenitic grade of SS 301 from ferritic which needs repeat painting of the shell. On long term basis there will be 15% pa growth of Stainless Steel in coaches segment. Overall the requirement of Stainless Steel from coaches segments is likely to reach 16000 TPA in less than 7 to 8 years. The interiors furnishing and their fixture would be mean additional use of stainless steel by railways coach sector.





## Railway Wagons

In the beginning Indian Railways started with a fleet of 300 stainless steel coach wagons under trial for about five years. It was found that not only wagons were much lighter (not needing corrosion allowance in their design) but also the amount of maintenance required or down-time for these coal wagons was surprisingly very low compared to corten steel wagons in the same service. It was also realized that by increasing the axle loads, the wagons can give a much better payload to tare weight ratio of 4:1 (compared to 2.5:1 for corten steel wagons). This greatly offset the higher initial cost of stainless steel wagons and it proved that they can move more freight per rake, save on fuel, and also expect very little down time loss and expense for maintenance. This became an excellent example of doing Life Cycle Costing Analysis and realizing that though the initial cost of stainless steel wagon is higher, much better profits are to be made by specifying stainless steel. All stainless steel wagons are made of ferritic type 409M stainless steel grade. The total current use of Stainless Steel in wagons annually is almost 1,20,000 tons in FY 2013. The requirement for wagons is going to grow phenomenally due to high growth rates in GDP and industrial investments. In addition government is setting up Delhi-Mumbai and Delhi-Kolkata freight corridors. These corridors have plans for development of several industry corridors and investment regions and special economic zones along its length. These would generate the need for carrying excessive freight in future and accordingly the needs for wagons. Government having realized the need for increased wagon requirements has launched a wagon investment scheme, which allows pvt players to procure their own wagons and get benefits from railways while transporting their goods. Railways have projected total

requirement of 24000 to 25000 wagons every year in future which is going to grow as the economy grows. Almost 50% of these wagons use ferritic SS as raw material and its penetration will grow in future. There is expected to be a very high growth in this segment both in the new and replacement segments in future and is expected to grow to around 289,000 tons by FY 2023 with CAGR of 9.5%.

## Metro Coaches

The Delhi Metro-type transport system, using all stainless steel (301LN) coaches, is being spread to connect most parts of Delhi and the domestic and international airports and important parts of the extended National Capital Region. The roaring success of the Delhi Metro has now been replicated in Bangalore, Mumbai, Chennai, Hyderabad, Jaipur and many other cities which are lined up for this revolutionary change in city transport.

For Delhi alone, more than 1000 all stainless steel coaches are in operation and many more are in pipeline. Each coach weighs about 10 tonnes. In future there will be good growth from this segment as Metro transport is planned to be introduced in all metro and mini metro cities in India having a population of more than 3 million. A conservative estimate is that more than 6040 coaches may be procured in next two decades, as of now unless more are planned in between, resulting in about 36,000 tons of Stainless Steel requirement.





## ***Architecture Building and Construction - The Fast Expanding Market for Stainless Steel***

Stainless Steel is an eminently sustainable material ideally suited for a lasting infrastructure. In India, applications of stainless steel in architecture, building and construction (ABC) sector is still picking up whereas advanced countries have been using it for over a half century. This is still one of the fastest emerging segments for stainless steel consumption in the country. Barely 20 years ago there was no visible application of stainless steel in this segment which showed measurable difference in next 10 years reaching 2% of overall stainless steel usage. At present it has reached to a healthy 6.3 % and likely to expand at a faster rate. Over the years the persistent efforts and focus of ISSDA and member companies has made newer headways into newer applications in this sector breaking the monopoly of conventional materials. Numerous efforts through workshops, educational activities and sharing of success stories from around the world increased the awareness among professionals and general public and they realized that stainless steel is not only a good engineering material with can be shaped in any manner but it would last for a long time resulting in savings over the life of any product.

Today ABC sector is one of the fastest growing sector. The ABC sector is mostly driven by growth in Indian real estate sector consisting of residential real estate, commercial real estate, retail space, entertainment space, hospitality projects and SEZs. All high quality construction projects like retail outlets, shopping malls, multiplexes, Airports, Rail Metros, IT parks, Commercial Complexes, Hotels, Fast food restaurants, High Quality Residential accommodations, Hi tech town ships and showrooms etc in the country today are finding big outlet for stainless steel in different ways and product forms such as Railings, Roofings, Barriers, signage, claddings and building facades. In all these construction stainless steel is penetrating in place of conventional materials like steel, glass, plastics, aluminum composites etc. The demand of stainless steel from these segments has increased substantially over the last 8 experiencing a CAGR of 23.7% over the last 8 yrs notwithstanding recession. Consequently the share of this application increased almost 3 times over the last 8 years to reach 6.3% of the overall consumption of stainless steel.

Today stainless steel is showing its multiple uses in Sinks, Elevators and escalators, Street furniture, Architectural Products-Building interiors and exteriors-Roofing, claddings, windows, Railings, wall panels, Builder hardware, Living room furniture, Toilet /Bathroom furniture, Plumbing and fixtures, Swimming pool accessories, overhead water tanks, some in re-bars-, Structural and more. Stainless steel kitchen sinks were one of the first building products and now it has a virtual monopoly in the country and is available in all shapes and sizes to suit any budget. Use of laser cutting, CNC machines, use of state-of-the-art welding and finishing equipments with upgraded workmanship has added to the growth and expansion of stainless in this sector.

As a pattern, big cities like Bangalore, Delhi, Mumbai, Chennai etc are areas where use of stainless steel in ABC sector has picked up in recent years which are slowly gaining in tier II and tier III cities across the country. ISSDA has been conducting workshops and seminars in multiple cities from time to time to take stainless steel from metro cities to hinterland.

A Timeline of ISSDA focused efforts to educate and upgrade the professional and technical workforce has been documented next.





## ABC Workshops Over the Year

ISSDA has been coordinating and organizing ABC workshops to educate and enhance skills in the field of usage of stainless steel in architecture, building and construction for last two decades. Delivering information or increasing awareness skill-building has been the focus of ISSDA and some important milestones achieved in the process over the years are



The Nickel Development Institute (NiDI) and ISSDA jointly organised half-day workshop on the use of stainless steel in architecture, building and construction (ABC) recently. Ms Catherine Houska, Consultant, NiDI and Mr. N. C. Mathur and a section of the audience at the Delhi Workshop.



Workshops on "Applications of Stainless Steels for Architecture, Building and Construction" were held at Delhi, Mumbai, Bengaluru, Chennai and Kolkata from 5<sup>th</sup>-10<sup>th</sup> December, 2011. The workshops were organized by ISSDA in association with the Nickel Institute.



Workshops on 'Applications of stainless Steels for Architecture, Building & Construction' were held at Delhi, Mumbai and Bengaluru from 12<sup>th</sup>-17<sup>th</sup> February, 2014. The workshops were organized by ISSDA in association with the Nickel Institute.





# ISSDA Efforts with Bureau of Indian Standards



The Bureau of Indian Standards (BIS) is the national Standards Body of India working under the aegis of Ministry of Consumer Affairs, Food & Public Distribution, Government of India. One of the major functions of the Bureau is the formulation, recognition and promotion of the Indian Standards. As on 31 August 2013, 19067 Standards formulated by BIS, are in force. These cover important segments of economy, which help the industry in upgrading the quality of their products and services.

For formulation of Indian Standards, BIS functions through the Technical Committee structure comprising of Sectional Committees, Subcommittees and Panels set up for dealing with specific group of subjects under respective Division Councils. The committee structure of BIS seeks to bring together all those with substantial interest in particular project, so that standards are developed keeping in

view national interests and after taking into account all significant view points through a process of consultation. Decisions in BIS technical committees are reached through consensus. As a policy, the standards formulation activity of BIS has been harmonized as far as possible with the relevant guidelines as laid down by the International Organization for Standardization (ISO). BIS, being a signatory to the 'Code of Good Practice for the preparation, adoption and application of standards (Article 4 of WTO-TBT Agreement, Annex 3)' has also accordingly aligned its standards formulation procedure.

ISSDA is a committee member at various committees at BIS like in Metallurgical department, Food and Agriculture Department, Civil Engineering Department, Mechanical Engineering department etc.

*Indian Stainless Steel Development Association (ISSDA) has been constantly working with BIS as a neutral body to formulate various standards of Stainless Steel products which is in interest of Industry.*



*BIS Building 'Manak Bhavan' at New Delhi*



## Some Major Success Stories and Landmarks

Recently BIS has formulated an Indian Standard IS: 15997 on “Low Nickel Austenitic Stainless Steel Sheet and Strip for Utensil and Kitchen Appliances - Specification”. Although Low-Nickel stainless steel was introduced in the 1980's, the formulation of a standard for the use of these grades in utensils and kitchen appliances has taken a lot of time, energy and money to establish. ISSDA has been at the forefront, attending BIS committee meetings, organizing a battery of tests related to mechanical, chemical, corrosion and ion leaching. The metal ion leaching tests and study for food compatibility on these grades were done from the reputed Central Food Technological Research Institute (CFTRI), Mysore.



Mr. K R Ananthanarayanan (Extreme right), a stainless steel consultant and Mr. N C Mathur (second from right), President ISSDA receiving the CFTRI final Report in August 2008 at CFTRI office in Mysore.

In order to create awareness about this standard BIS in collaboration with ISSDA hosted a seminar on this standard at Jindal Centre on 15<sup>th</sup> March 2013. The programme was attended by more than 45 participants which included manufacturers from utensil industry.

Another success story of ISSDA in formulation of Indian Standards is about the IS: 15637 - “Welded Stainless Steel Cylinders for Liquefied Petroleum Gases (LPG) from 0.5 litres to 250 litre Water Capacity- Specifications”. Earlier there was not separate standard for cylinders made of stainless steel and with technological development in manufacture and because of stainless steel material's



higher corrosion resistance and lesser thickness and weight and higher yield, UTS and elongation values coupled with higher safety. Stainless steel cylinders have become viable. Stainless Steel cylinders are widely used in Australia, New Zealand, Spain etc.

### Some Important Ongoing Initiatives

Further ISSDA is actively working with Food and Agriculture Department at BIS to formulate a standard for “Stainless Steel Milk Cans”. A lot of Stainless Steel Milk Cans are being used in India, but due to lack of any standard the quality of product was being compromised by the local and unorganized manufacturers. So ISSDA identified this need to standardize this product and formulate an Indian Standard, which will be soon available in next few months.

A lot of stainless steel goes into to water industry since it is the most suited material for potable water. The hygiene and cleanliness factors make stainless steel ideal choice for water industry. A step forward in this direction, ISSDA is working with Civil engineering department committee at BIS to formulate the Indian Standards for the “Stainless Steel Water storage tanks” and “Stainless Steel Pipes for potable hot and cold water distribution supplies”. We are in the process of formulation of these standards.

Another step towards the sustainable usage of Stainless Steel is in the Civil Structure where ISSDA is working in formulating the standard for “Stainless Steel Reinforcement Bars”. This standard will include stainless steel rebars made out of Austenitic grades and Duplex grades.



## Education on Stainless Steel : ISSDA Educational Programmes All Over The Country

For the long term growth of stainless steel market sharing of knowledge is the key. A good decision is always based on knowledge and experience. Stainless steel represents one of the more recent groups of engineering materials and therefore it is even more essential to share the knowledge about this wonderful material.

Since the inception of ISSDA two decades ago, all across India use of stainless steel for kitchenware was widely prevalent and more than 85% of stainless steel was used for kitchenware leading to a mind-set that stainless steel is good only for kitchen. The wide spread knowledge about versatility of this wonderful engineering material was yet out of reach of many other market segments. To overcome this mind-set ISSDA and its member companies initially has to put all its efforts to educate people that stainless steel is an excellent engineering material that can be used for a very wide spectrum of applications such as in Architecture, Building & Construction (ABC) and the Automotive, Railway and Transportation (ART) and other engineering sectors.

Today widespread use of stainless steel in all walks of life evident and this all has been made possible through unremitting creation of awareness about the benefits of stainless steel amongst engineers, architects, designers, and a host of professionals responsible for specification of materials of construction and at the same time providing help to fabricators to fabricate and finish stainless steels in technically correct manner.

ISSDA has been organizing workshops for specific end-use applications of stainless steel targeted at designers, material specifiers, engineers, architects, maintenance personnel; workshops for improving the quality of welding & fabrication for increasing the awareness of applications among the stainless steel industry.

With the economy booming, there is increasing demand for a wider range of products and services in stainless steel. Our website [www.stainlessindia.org](http://www.stainlessindia.org) is an important tool for easy availability of information on stainless steel to the users.

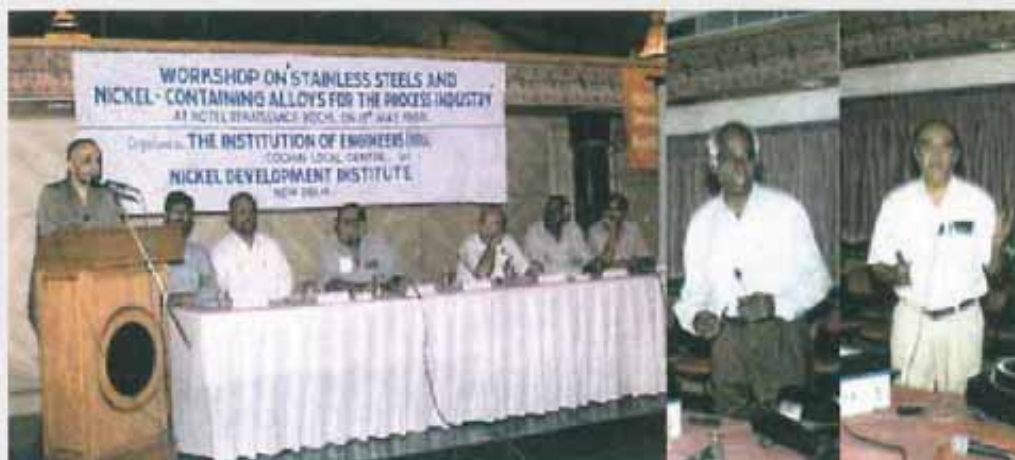
ISSDA has close relations with Nickel Institute, stainless steel development associations (SSDAs) in other countries, the International Stainless Steel Forum (ISSF), the International Chromium Development Association (ICDA) and the International Molybdenum Association (IMOA). This helps ISSDA to learn from their experience to introduce stainless steel for new applications.

Online Stainless Steel Specialist Course with interactive e-learning modules, designed to improve knowledge of stainless steel, its properties, performance and uses. The course provides a standard level of knowledge and recognized level of achievement.





## ISSDA Workshop on Various End Use Segments



*The Institution of Engineers (India) - Cochin Local Centre (IEI-CLC) and the Nickel Development Institute held a workshop on 'Stainless Steels & Nickel - containing Alloys for the Process Industry' in Cochin. Mr. Koshy Varghese, Director, Cochin Refineries Ltd., NiDI's consultants, Dr. A K Lahiri and Dr. K E Perumal conducted the Workshop*

*The Nickel Development Institute (NiDI), the Indian Institute of Welding (IIW) and ISSDA jointly organised three one-day workshops on **Welding & fabrication of stainless steel**.*

*(L-R) Mr. N Kalyan; Mr. Ramesh Gopal; Prof. U. D. Mallia; Mr. Ahuja; Mr. C.P. Sukhwai; Mr. D J Health and Prof P G Stone are attended the workshop.*



*The office of the Regional Development Commissioner for Iron & Steel, Ministry of Steel, Govt. of India, Chennai organised a workshop "Applications of Stainless Steel in Construction and Industrial Sector". Mr. M S Ramanujan; Mr A K Malhotra; Mr. R K Prasannan; Mr. G L Ramaseshan; Dr. A Rajaraman and Mr. K P C S Pillai attended the workshop.*

*ISSDA and the Nickel Development Institute (NiDI) organized a series of workshops in April 2001 at Delhi, Bangalore, Chennai and Mumbai on the use of stainless steel in the Architecture, Building & Construction (ABC) sector, with a special session on **stainless steel rebar for concrete**. Mr. Ramesh R Gopal; Mr. David J Cochrane and Mr. M Ramadas attended the workshop.*





# ISSDA Educating Future Leaders

*"The objective of education is to prepare the young to educate themselves throughout their lives like the stainless steel never losing its shine"*



*Mr. NC Mathur, President ISSDA at the Indian Institute of Technology (Banaras Hindu University) Varanasi, making presentation to the student community and faculties of the Metallurgical Engineering Department.*



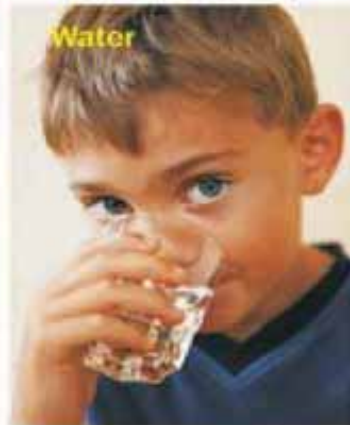
*Mr. NC Mathur & Mr Rohit Kumar of ISSDA, after an interactive meeting and presentation to the post graduate students of Industrial Design Centre (IDC) and Faculty of Product Design and Mobility at IDC of IIT, Mumbai.*



*ISSDA Interaction with Future Architects of School of Planning and Architect, Delhi; Sushant School of Art & Architecture, Ansal University, Gurgaon*



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# “We Value Your Trust and Work as a Team”



*(From Right to Left) : Mr. Rohit Kumar, Mr. Rajat Agarwal, Mr. N. C. Mathur, Mr. Jausline George, Mrs. Jyotshna Singh & Mr. Bharat Raj*





## ISSDA's Past President



Mr. C R Rathi



Mr. Niraj R Bajaj



Mr. Ashok Malhotra

## ISSDA's Present President



Mr. N C Mathur



Mr. Ramesh R Gopal

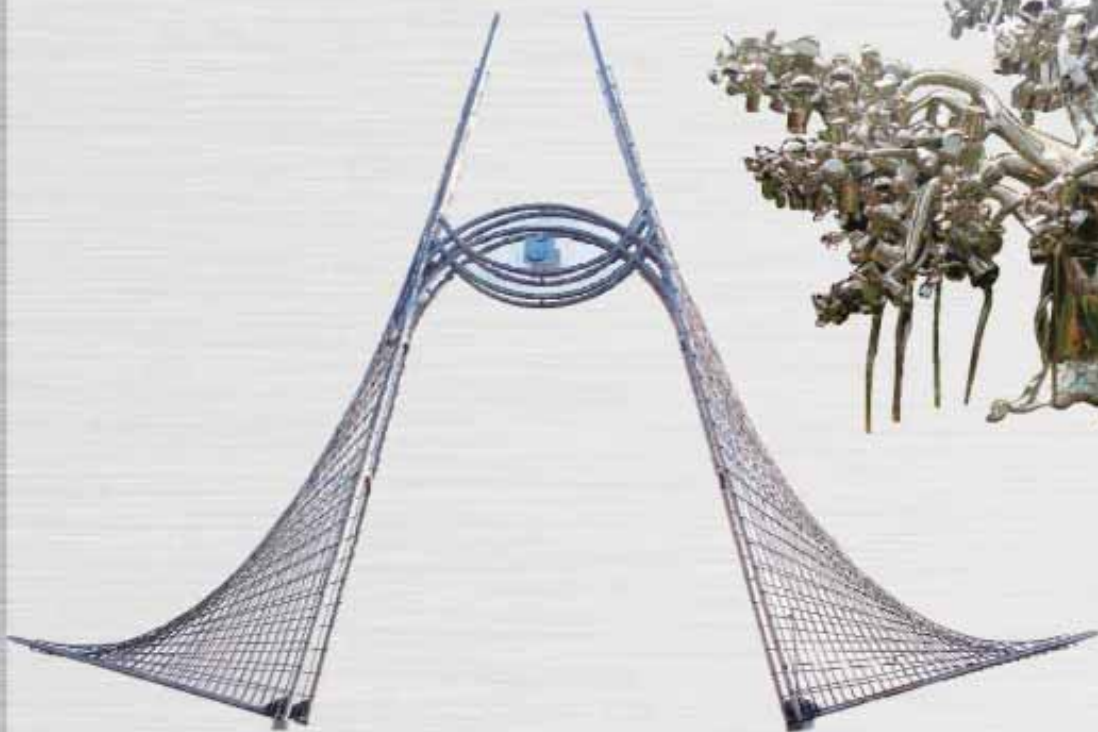
Mr. Ramesh R Gopal was, Executive Director ISSDA, serving Nickel and Stainless Steel Industry for last 25 years. He was known for his experience in market development activities. He retired on 31st December 2012.



## Stainless Steel: An Artists Vision

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# Indian Stainless Steel Development Association

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Tel: 91-124-4375501, 502 & 203 | Fax: 91-124-4375 509 |

Email: nissda@gmail.com / issdastainless@gmail.com

Website: www.stainlessindia.org

## DAY 1- 6<sup>th</sup> NOVEMBER 2014

Gala Dinner : 7:00 pm, Hosted by Mr. Rattan Jindal at  
'Jindal House', 5 Aurangzeb Road, New Delhi

## DAY 2 - 7<sup>th</sup> NOVEMBER 2014

**Conference Venue : Hotel 'The Grand' , Vasant Kunj, New Delhi**

8:30 - 9:30 : Registration

9:30 - 11:30 : Inaugural Session

Welcome address : N C Mathur, President, ISSDA

: C S Verma , Chairman, Steel Authority of India Ltd.

: Rattan Jindal, Chairman & Managing Director, Jindal Stainless Ltd.

Tim Aiken, President, Nickel Institute

Subhrakant Panda, President, International Chromium Development Association

Keynote Speaker : Markus Moll, MD, SMR - Steel & Metals Market Research "Stainless Steel Strategy 2020 : The Indian Way, the Chinese Way ....or a Third Way"

Guest of Honour : Syedain Abbasi, Joint Secretary, Ministry of Steel & Chairman, JPC

Vote of Thanks : Rohit Kumar, Director, ISSDA

11:30 - 12:00 : **Tea/Coffee Break / Networking**

### Session 1

12:00 - 1:30 : - Pramod Kumar, General Manager, Rail Coach Factory, Kapurthala  
- Neeraj R Kochhar, Chairman & Managing Director, Viraj Profiles  
- Ar. Kalhan Mattoo, Founder, Planet 3 Studios Architecture  
- Vijay Sharma, Vice President, Sales & Marketing, Jindal Stainless Limited  
- S S Mohanty, Director (Technical ) Steel Authority of India Ltd.  
- Yogesh Agarwal, Managing Director, Rimjhim Ispat Ltd.

1:30 - 2:30 : **Lunch Break (Sponsored by Viraj Profiles)** 

### Session 2 & 3

2:30 - 5:00 : - Dr. Vivekanand Kain, Bhabha Atomic Research Center, Mumbai  
- Richard Matheson, Executive Director, ASSDA, Australia  
- Neeraj Borwankar, Senior Deputy General Manager, L&T Special Steels and Heavy Forgings Pvt Ltd.  
- Sanjay PV, Director, Sulzer India Ltd  
- K R Srinivasan, Chief of R&D, Mukand Limited  
- K. Syed Amir Basha, Chief Technology Officer, VA Tech Wabag Ltd  
- Hitendra Bhalaria, Managing Director, Bhalaria Metal Craft / R L Choudhary, Editor-in-Chief & Publisher, Steel Market Info

5:00 onwards : **Tea/Coffee - Networking**



# ISSDA Celebrates 25<sup>th</sup> Anniversary

6<sup>th</sup>, 7<sup>th</sup> - NOVEMBER 2014  
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## Distinguished Speakers at the Event

 <p>Shri Syedain Abbasi Chairman / Joint Secretary Joint Plant Committee / Ministry of Steel</p>	 <p>Mr. Rattan Jindal Chairman &amp; MD Jindal Stainless Ltd (JSL)</p>
 <p>Mr. Neeraj R Kochhar Chairman &amp; MD Viraj Profiles</p>	 <p>Mr. C S Verma Chairman Steel Authority of India Ltd. (SAIL)</p>
 <p>Mr. N C Mathur President Indian Stainless Steel Development Association (ISSDA)</p>	 <p>Mr. Markus Moll Managing Director Steel &amp; Metals Markets Research (SMR)</p>
 <p>Mr. Yogesh Agarwal Managing Director Rimjhim Ispat Ltd.</p>	 <p>Mr. Tim Aiken President Nickel Institute</p>
 <p>Mr. Subhrakant Panda President International Chromium Development Association (ICDA)</p>	 <p>Dr. Vivekanand Kain Professor Bhabha Atomic Research Centre</p>
 <p>Mr. Pramod Kumar General Manager Rail Coach Factory (RCF)</p>	 <p>Mr. Richard Matheson Executive Director Australian Stainless Steel Development Association (ASSDA)</p>
 <p>Ar. Kalhan Mattoo Founder Planet 3 Studios Architecture</p>	 <p>Mr. S S Mohanty Director - Technical Steel Authority of India Ltd. (SAIL)</p>
 <p>Mr. Vijay Sharma Vice President - Marketing Jindal Stainless Ltd (JSL)</p>	 <p>Mr. Sanjay PV Director Sulzer India Ltd.</p>
 <p>Mr. Neeraj Borwankar Senior Deputy General Manager, L&amp;T Special Steels and Heavy Forgings Pvt Ltd.</p>	 <p>Mr. K. Syed Amir Basha Chief Technology Officer VA Tech Wabag Ltd.</p>
 <p>Mr. K R Srinivasan Chief of R&amp;D Mukand Limited</p>	 <p>Mr. Hitendra Bhalaria Managing Director Bhalaria Metal Craft</p>
 <p>Mr. R L Choudhary Editor-In-Chief &amp; Publisher Steel Market Info</p>	



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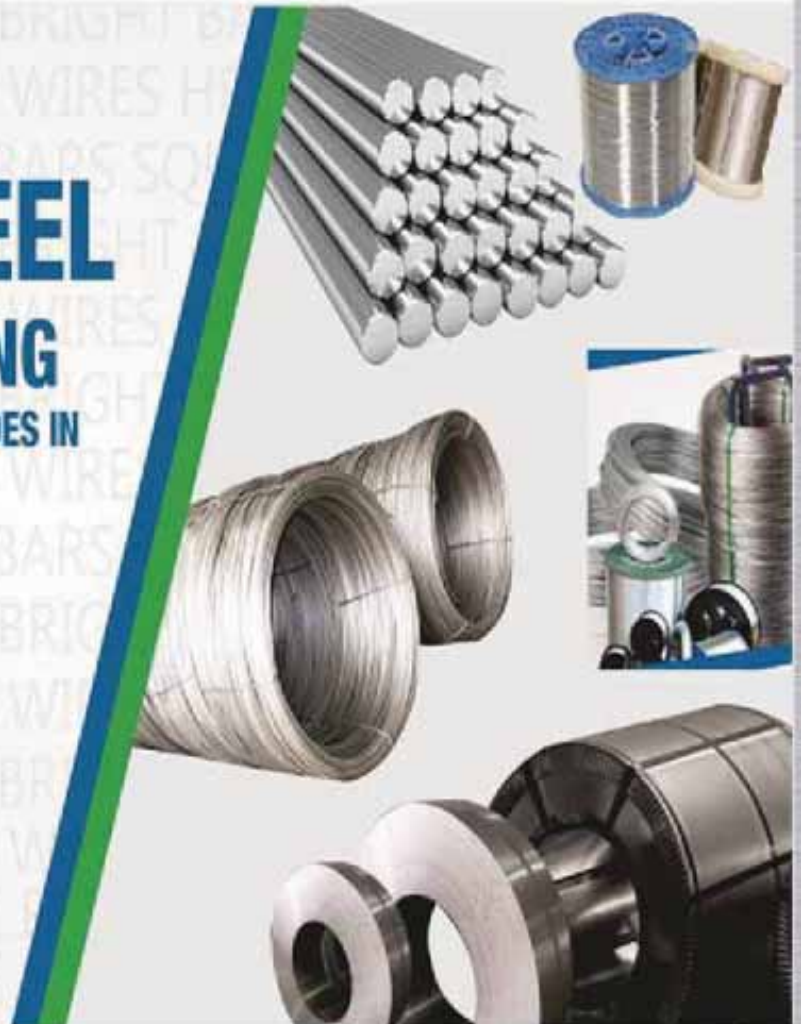
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## ISSDA Primary Members

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<b>Adhunik Metaliks Ltd.</b>	14, N. S. Road, 2nd Floor Kolkata 700001, West Bengal, INDIA Tel: 91-33-2289 0292 E-info@adhunikgroup.com, W-adhunikgroup.com Slabs, Flats, Billets, Bars, Wire Rods, Wires, Ferro Alloys	<b>Outokumpu India Pvt Ltd.</b>	609 - 612, Hemkunt Tower, Nehru Place, New Delhi - 110019 E-yatinder.suri@outokumpu.com, W-outokumpu.com Austenitic, Duplex and Ferritic Grades in Hot Rolled & Cold Rolled Coils/Sheets 2 Meter Wide, Hot Rolled Plates 3.2 Meter Wide, SS Rebars, Bright Bars, Welded Pipes/Tubes and Fittings
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<b>BRG Group Ltd.</b>	Suite No. 402/403/404, Plot No. 5B Block - DP, Sector V, Salt Lake City Kolkata 700091 (West Bengal) INDIA E-brg@brggroup.in, W-brggroup.in Continuous Cast Billets, Hot Rolled Long Products (Rounds & Bars), Cold Rolled Coils	<b>Rimjhim Ispat Ltd.</b>	123 / 355, Fazal Ganj Kanpur 208 012 E-mail@rimjhimispat.com W-rimjhimispat.com Billets, Flats, Rounds, RCS, Wire Rods, Bright Bars
<b>Chandan Steel Ltd.</b>	504, Sukh Sagar, H S Patker Marg, Chowpatty, Mumbai - 400 007, INDIA Tel: (+91) 22 6629 0600 E-exports@chandansteel.net, W-chandansteel.com Villets, Flat Bars, Bright Bars, Wire Rods, Angles, Channels, Flanges	<b>SAIL</b>	Ispat Bhawan, Lodi Road, New Delhi E-ed@sailss.in, W-sail.co.in/plant_special_salem Slabs, Billets, Plates, HR Coils / Sheets, Bars, Rounds, Forgings
<b>India Steel Works Ltd.</b>	1101, Tower 2, Indiabulls Finance Centre, Senapati Bapat Marg, Elphinstone (W) Mumbai - 400 013, INDIA Tel: +91 22 4910 2000 E-info@indiasteel.in, W-indiasteel.in Billets, Wire Rods, Bright Bars, Wires	<b>Shah Alloys Ltd.</b>	Shah Alloys Corporate House Sola-Kalol road, Santej Ta. Kalol, Dist. Gandhinagar - 382721 Gujarat, INDIA E-info@shahalloys.com, W-shahalloys.com Slabs, Plates, HR Sheets / Coils, Flats
<b>Jindal Stainless Ltd.</b>	Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066 E-vijaysharma@jindalsteel.com, W-jindalstainless.com Slabs, HR Coils / Sheets, CR Coils / Sheets	<b>Soni Ispat Ltd.</b>	"Janak" 11, New Palasia, Second Floor, Indore 452001 Madhya Pradesh, INDIA E-contact@soniispat.com, W-soniispat.com Slabs, Plates
<b>Laxcon Steels Pvt Ltd.</b>	Plot No. 235, Sarkhej Bavla, N.H.No.8A, Village - Sari, Taluka - Sanand, Ahmedabad, Gujarat - 382220. E-indiainfo@gopalgroup.com, W-gopalgroup.com Bars and Rods, Billets, Blooms, Flats, Strips and Foils	<b>Sunflag Iron &amp; Steel Co Ltd.</b>	11th floor, 1116A-1119B, International Trade Tower E-Block Nehru Place New Delhi - 110 019 E-matthew@sunflagsteel.com, W-sunflagsteel.com Billets, Rebar, Wire Rods, Wires
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<b>Mukand Ltd.</b>	Kalwe Works, Thane - Belapur Road, Dighe, Thane, Maharashtra - 400605 E-vmashruwala@mukand.com, W-mukand.com Blooms, Billets, Bars, Rounds, Hexagons, Wire Rods, Bright Bars & Wires	<b>Viraj Profiles Ltd.</b>	G-2, MIDC Tarapur Industrial Area, Boisar, Dist. Thane, Maharashtra - 401 506 E-info@viraj.com, W-viraj.com Billets, Rounds, RCS, Flat Bars, Bright Bars, Angles, Forgings, Flanges, Wire Rods, Wires

## ISSDA Associate Members

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<b>Ador Welding Ltd.</b>	Ador House, 6, K. Dubash Marg Fort, Mumbai 400 001 Tel: +91 22 2284 2525 E-nagabhushanam@adorians.com, W-adorwelding.com Welding Equipment and Consumables	<b>Akjay International LLC</b>	182 Yankee Peddler Path, Madison, CT-06443. Ph : 215-441-8751 E-akjay@akjayint.com, W-akjay.com Stainless Steel Scrap Traders
<b>Aditya Forge Ltd.</b>	415, G.I.D.C., Raman Gamdi, Por - 391243 Dist. Vadodara Gujarat Ph : +91 - 265 - 2830325 E-nitin@adityaforge.com, W-adityaforge.com Forged Flanges, Forged Components	<b>Alps Industries Ltd,</b>	57/2, Site IV Industrial Area, Sahibabad, Ghaziabad - 201010, Phone : +911204161700 E-vista@alpsindustries.com, W-alpsindustries.com Fabricator, Building hardware, Railings
<b>Agarwal fasteners Pvt. Ltd.</b>	110, Narayan Dhuru Street, Mumbai 400 003, Tel : +91-22-23400330 E-vikram@aplhome.com Stainless Steel Fasteners	<b>Aloke Alloys</b>	807, Raheja Chambers 213 Nariman Point Mumbai - 400021, Tel.: 2204 3763 E-alokealloys@vsnl.com, W-alokealloys.com stainless steel alloys, high nickel alloys, high cobalt alloys, super alloys,



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<b>Ampi Agencies Pvt. Ltd.</b> 8	43-A Mittal Court Nariman Point Mumbai - 400021, Telephone: +91 22 22875675 E-ampidehi@vsnl.net, W-ampi.in Supplier of SS, Nickel Alloys, SS Raw Materials	<b>Contemporary Creations Pvt. Ltd.</b> 22	52/9, Second Floor, C. R. Park, New Delhi 110019. Phone: +91 11 26272718 E-jb@ccl.co.in Buckets, Mugs & Storage Bins, Advertisement Panels, Benches, Bus Shelters & Litter Bins
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<b>BHP Billiton Marketing Asia Pte Ltd.</b> 17	10 Marina Boulevard, #50-01 Marina Bay Financial Centre, Tower 2 Singapore 018983, Phone: (65) 6421 6000 E-Paul.benjamin@bhpbilliton.com, W-bhpbilliton.com Producer of Nickel	<b>Fabrinox Arc Pvt. Ltd.</b> 31	A-70, Wazirpur Industrial Area, Delhi-110052, Ph : 011-47095469 E-dharam.marketing@fabrinox.net Architectural Fabricator
<b>B.S. Shakti Steel Pvt. Ltd.</b> 18	5 K.M. Stone, Sampla -Beri Road, Village Ismaila, P.O. Kultana, Distt. Rohtak, Haryana Mob : +91-9812022632 E-sales@bsshaktisteel.com, W-bsshaktisteel.com Stainless Steel Fine Wire, Cold Heading Wire, Electrode Quality Wire	<b>Fabrica - Sunrise Stainless Pvt. Ltd.</b> 32	Plot No: 3424-25, G.I.D.C., Phase-IV, Chhatral-382729, Gujarat, Tel: +91-2764-325001, E-nitin_shah4you@yahoo.com, W-stainlessfabrica.com Architectural Fabricators
<b>Bizcon Business Consultants</b> 19	606, Ansal Bhawan 16, Kasturba Gandhi Marg New Delhi-110001, Tel: + 91-11-23313771 E-bizcon@del2.vsnl.net.in, W-bizconindia.com Supplier of Nickel and Raw Materials	<b>First Metal Corp</b> 33	610, Krishna Apra Business Square Netaji Subhas Place, Pitampura New Delhi - 110034, Tel : +91 11 47012670 E-Hitesh@firstmetalcorp.com Non Ferrous Metals
<b>Carlf International Pvt. Ltd.</b> 20	C-239, T.T.C. Industrial Area MIDC, Pawane Village, Navi Mumbai - 400705, Tel : T : +91 22 4097 8800 E-venu@carlfinternational.com, W-carlfinternational.com Building hardware and accessories	<b>Fein Power Tools India Pvt. Ltd.</b> 34	69, Arcot Road, Kodambakkam, Chennai - 600 024, Phone: 0091 (0)44-43578 680 E-info@fein.in, W-fein.in Surface Finishing



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<b>Flow Link Systems (P) Ltd.</b> 35	#189, Uthupalayam, Avanashi Road, Arasur, Coimbatore - 641 407, Tamil Nadu, Phone: +(91) - 0422 - 2360011 E-marketing@flowlink.net, W-flowlinksystems.com Castings, Valves	<b>Integral Coach Factory</b> 49	Chennai - 600038, Tel: 044-26147369 E-coachnet@vsnl.com, W-icf.indianrail.gov.in Railway Coaches
<b>Good Luck Engineering Co.</b> 36	II F 166-167, Goodluck House, Nehru Nagar, Ambedkar Road, Ghaziabad Uttar Pradesh, Tel.: +(91)-(120)- 4196600 E-goodluck@goodlucksteel.com, W-goodlucksteel.com Forged Products & Flanges	<b>IUP Jindal Metals &amp; Alloys Ltd</b> 50	28, Najafgarh Road, New Delhi - 110 015 Ph : +91-11-45021200 E-sales@iupjindal.com, W-lupjindal.com Precision Foils
<b>Garg Inox Pvt. Ltd.</b> 37	CH-9, Old Industrial Area, Bahadurgarh - 124507, Haryana, Ph : +91-1276-222222 E-gargwire@vsnl.com, W-gargwire.com Bright Bars, Wires	<b>JSL Architecture Ltd.</b> 51	Plot 64 - 65, 2nd floor, Udyog Vihar, Phase-IV, Gurgaon - 122 016, Phone No: 0124-4127700, E-queries@arc.jindalsteel.com, W-jslarc.com Architectural Fabricator
<b>Glencore India Pvt. Ltd.</b> 38	9/48, Commercial Complex, Diplomatic Enclave, Maicha Marg, New Delhi - 110021 E-Kunai.Ahija@glencore.com, W-glencore.com Supplier of Nickel and Raw Materials	<b>Jindal Stainless Steelway Ltd.</b> 52	Plot No. 64, 2nd Floor, Udyog Vihar, Phase - IV, Gurgaon (Haryana) - 122 016, Phone: + 91 124 412 7700 E-info.gurgaon@jindalsteelway.com, W-jindalsteelway.com Cold Rolled Sheets, Hot Rolled Coils, Stainless Steel Coils, Slit Coils, Stainless Steel Plate, Stainless Steel Sheets,
<b>Gold Matrix Resources Pvt. Ltd.</b> 39	101, Cecil Street, # 25-12 Tong Eng. Building Singapore - 069533, Ph : +65 6491 1100 E-gmr@goldmatrixresources.com W-goldmatrixresources.com Nickel Supplier	<b>Johnson Lifts Pvt. Ltd.</b> 53	1, East Main Road, Anna Nagar Western Extn., Chennai-600 101, Ph: 044 26152200 E-info@johnsonlifts.com, W-johnsonlifts.com Claddings
<b>Grind Master Machines Pvt. Ltd.</b> 40	B-10/B-11/B-14, Railway Station MIDC, Aurangabad- 431005 Maharashtra Tel. +91(240)2374104 E-sales@grindmaster.co.in, W-grindmaster.co.in Polishing Machines and Consumables	<b>Jyoti India Metal Industries Pvt. Ltd.</b> 54	223, Kalyandas Udyog Bhavan, Sadanand Hasu Tandel Marg, Near Century Bazar, Worli, Mumbai - 400025 Ph : 022-24385500 E-niralisink@vsnl.com, W-niralisinks.com Kitchen Sinks, Toilets
<b>Heavy Metal &amp; Tubes Ltd.</b> 41	Heavy Metal House, 1, Vijayvihar Society, Near Vijay Cross Road, Navrangpura, Ahmedabad - 380 009 Ph : + 91 -79 - 2642 4941 E-info@heavytubes.com, W-heavytubes.com Round / Square / Rectangular Welded Tubes, Seamless Tubes	<b>JSS Steelitalia Ltd.</b> 55	Plot No.64, IInd Floor, Udyog Vihar Ph-IV, Gurgaon - 122 016 E-info@jsssteelitalia.com, W-jsssteelitalia.com Pipes And Tubes, Rectangular Pipes, Automobile, Round Pipes
<b>Hercules Marketing Pvt. Ltd.</b> 42	61/18 old rajinder nagar, New Delhi 110 060 Ph : 011-25710074 E-herculesmktgtd@gmail.com FeNi from Eramet, Ferro Alloys and Coal	<b>KEI Industries Ltd.</b> 56	D-90, Okhla Industrial Area Phase -I New Delhi -110020 Tel : 011-2681 8840 E-anilgupta@kei-ind.com, W-kei-ind.com Wires
<b>H+INOX</b> 43	Pearl House #9/3, Museum Road Bangalore - 560001 E-Hinox1@gmail.com, W-hidayath.com Bright Bars, Wire Rods, Wires	<b>Kesri Steels Ltd.</b> 57	A -350, Phase-I, Rilco Industrial Area, Bhiwadi - 301019 RAJASTHAN Tel : +(91) 1493 220142 E-kesri.mail@gmail.com Steel Ingots, Carbon Steel Ingots, Alloy Steels Ingots, Round Bars, Square Bars,
<b>Hira Power &amp; Steels Ltd.</b> 44	557, Urla Industrial Complex Urla, Raipur, Chattisgarh, India Pin - 493 221, Phones: +(91-771) 2323018 E-admin@hpslindia.com, W-hpslindia.com Ferro Alloys	<b>Kich Architectural Products Pvt. Ltd.</b> 58	Gondal Road, NH 8B, Vavdi, Rajkot(Gujarat), India Tel. : +91-281-3290316 E-sales@kichindia.com, W-kichindia.com Building Hardware, Modular Handrails, Signages
<b>Hisar Metal Industries Ltd.</b> 45	Near Industrial Development Colony, Delhi Road, Hisar - 125 005, Ph. +91-1662-220067 E-info@hisarmetal.com, W-hisarmetal.com Strips, Foils	<b>Korus Engineering Solutions Pvt. Ltd.</b> 59	906-912, Pearl Best Heights - II, C-9, Netaji Subhash Place, Pitampura New Delhi - 110034 Tel : (+91-11) 2522 E-Korusengg@gmail.com, W-korus.co.in Consultancy
<b>Hemraj Devkarandas Metals and Minerals Pvt. Ltd.</b> 46	A-901, Ekta Terraces, Mahavir Nagar, Kandivali West, Mumbai - 400067 E-hdmm2012@gmail.com MS Products, Metal Angles, Metal Bars & Hot Rolled Coils	<b>Kirtanlal &amp; Sons</b> 60	401, Anand House, 13th Road, Off Linking Road, Khar (W), MUMBAI 400052, Tel: (91 22) 26048111 E-rajen@kirtanlal.net Supplier of Imported HR Sheets / Coils, CR Sheets/Coils, Strips, Foils, Welded and Seamless Tubes, Wires and other MS Products
<b>Honavar Electrodes Pvt. Ltd.</b> 47	305-309, 3RD FLOOR, DAMJI SHAMJI INDUSTRIAL COMPLEX 9, L.B.S. MARG, KURLA (W), MUMBAI - 400 070, Phone : (+91 22) 2502 0317 E-hei@vsnl.com, W-honavarelectrodes.net Welding Consumables	<b>Krystal Steel Manufacturing Pvt. Ltd.</b> 61	Office# 6, 4th Flr, Alankar Cinema Bldg, SVP Road, Mumbai - 400 004, INDIA, Ph : 022-23885471 E-info@krystalsteel.co.in, W-krystalsteel.co.in Seamless Stainless, Duplex and Nickel Alloy Tubes, Pipes
<b>Hermes Abrasives GmbH</b> 48	Flat No.4, Runwal Shalaka, Pune - 411021 E-rbd@hermes-abrasives.net W-hermes-schleifmittel.com Trader - Manufacturers of SS Finishing Products	<b>Koncept Steel Pvt. Ltd.</b> 62	A-23/1, Backlane, Phase - II, Naraina Ind. Area, New Delhi - 110 028, Tel: 011-4505 8699 E-kapoorasso@hotmail.com, W-enkayfastners.com Stainless Steel Products, Stainless Steel Fasteners, SS Door Fittings



COMPANY NAME	ADDRESS	COMPANY NAME	ADDRESS
<b>Kongu Engineers</b> 63	5/284-C, Annur Road, Arasur PO, Coimbatore-641 407, Tamilnadu, Phone: +91 - 0422 - 2360403 E-konguengineers@vsnl.net Precision Engg. Components	<b>Modern Industries</b> 77	E-101, Phase-7, Industrial Area Mohali - 160055 E-modernmohali@yahoo.com freight wagons to the Indian Railways
<b>Kumar Steels</b> 64	2 Milestones, Ambala Road Jagadhri, Haryana - 135 003, Phone : +91 1732 242673/973 E-Gaurav_garg@msn.com, W-kumarsteels.in Flats Products, HR Sheets	<b>Metco Marketing (India) Pvt. Ltd.</b> 78	104,Niraj Industrial Estate, off Mahakali Caves Road, Andheri (East), Mumbai-400093. Tel.: +91-22-40738484, +91-22-66938484 E-metco@metcoindia.com, W-metcoindia.com Iron & Ferro Alloys, Primary Metals, Scraps, Ferro Alloys
<b>Kundan Industries Ltd.</b> 85	No. 291, Datta Pada Road, Above H. D. F. C. Bank, Borivali East, Mumbai - 400066, Maharashtra, India Telephone : +(91)-(22)-61521234 E-fasteners@kundan.com, W-kundan.com Bolts, Nuts, Screws, Studs, Washers	<b>3M India Ltd.</b> 79	Vittal Mallia Road, Bangalore - 560001 Tel No: 0091-80-22231414 / 66595759 W-3M.com/in Car Care; Commerical Graphics; Construction Industry centre; Scotch Brite
<b>Lancer Laser Tech Ltd.</b> 88	Survey No:1434P/2, Chhatral - Mehsana National Highway Village: Rajpur, Pincode : 382715,Tal: Kadi, Dist. Mehsana, Gujarat, India. Phone : + 91 2764 281350 E-nitin@lancerlaser.com, W-lancerlaser.com Fabricators	<b>Navnidhi Steel &amp; Engg.Co. Pvt. Ltd.</b> 89	Shop No. 1, Lehari Mansion, 236/240, S.V.P. Road, Mumbai-400004, INDIA Tel. : +91-22-67496081 E-hemant@nsec.co.in, W-nsec.co.in Supplier of stainless steel long products
<b>Loeser Arm India Pvt. Ltd.</b> 97	23-B, Sector 31,HSIIDC Industrial Estate, Faridabad 121003. Haryana - India Tel : 91-129-4048900 E-Loeser.india@loeser.com, W-loeserkg.de Grinding and Polishing solutions	<b>Nevatia Steel &amp; Alloys Pvt Ltd.</b> 91	Pitale Prasad, 1st floor, 85, Worli Sea Face Mumbai 400 030, Tel: 91-22-2494 4133, 2498 4064 E-info@nevatiasteel.com, W-nevatiasteel.com Wire Rods, Bright Bars, Wires
<b>LPS Bossard Pvt. Ltd.</b> 96	Nh-10, Delhi Road, Kharawar Bye Pass, Kharawar, Rohtak - 124 021, Haryana, India Telephone : +(91)-(1262)-305161 E-mktg@lpsindia.com, W-lpsindia.com stainless steel fasteners, nordlock washers	<b>Nuclear Fuel Complex</b> 92	E C I L PO Hyderabad 500 062 Tel: 91-40-2712 1239 E-mbs@nfc.gov.in, W-nucfuel.gov.in Seamless Pipes / Tubes
<b>Modi Arc Electrodes Co.</b> 89	601, 6th floor, Copia Corporation Suites 9, Jasola Commercial Complex New Delhi - 110025 E-info@modiarcgroupmkm.in, W-modielelectrodes.com welding consumable,fabrication electrodes,stainless steel wire, isomet electrodes	<b>Omega IceHill Pvt. Ltd.</b> 93	39, First Floor, Raghuveer Mkt.Near Ajmeri Gate, Delhi - 110006 Tel.: +91 (0)11 23232619 E-info@omega-icehill.in, W-omega-icehill.in Suppliers stainless steel product,laser welded pillow plate
<b>M. N. Dastur &amp; Company (P) Ltd.</b> 70	Consulting Engineers Faraday House P-17 Mission Row Extension Kolkata 700 013 West Bengal :: India Ph : +91 33 2225-5420, 2225-0500 E-info@dastur.com, W-dasturco.co.in Consultancy in steel	<b>Ozone Overseas Ltd.</b> 94	H-40, Bali Nagar, New Delhi-110 015 Tel: 011-2543 2246/2543 2247 E-lipin.k@ozone-india.com Architectural Hardware products
<b>Macro Bars And Wires (India) Pvt. Ltd.</b> 71	304, Bombay Market Building, Tardeo Road, Mumbai - 400 034. India. Tel: +91 (22) 2352 3757 E-pvaid@mbwindia.com, W-mbwindia.com stainless steel wires	<b>Osborn Lippert (India) Pvt. Ltd.</b> 95	Plot No. E - 66, MIDC Area, Waluj, Aurangabad - 431136, Maharashtra Telephone : +(91)-(240)-2556538 E-sales@osborn-lippert.co.in, W-osborn-lippert.co.in Solid bar compositions , abrasive tools, non-woven tools
<b>Megatech Components Pvt. Ltd.</b> 72	C-24, DSIIDC Complex, Kirti Nagar, New Delhi 110015 Mobile : +91-9810047051 E-contact@megatechworld.com, W-megatechworld.com precision stainless steel components	<b>Pheonix Appliances Pvt. Ltd.</b> 86	405, Ashirwad Bldg, Ahmedabad Street, Carnac Bunder Mumbai 400 009, Tel: 91-22-6633 2479, 2348 6407 E-dka@diamondsink.in, W-diamondsink.com Kitchen Sinks
<b>Metal &amp; Steel India</b> 73	1/ 25 B, Asaf Ali Road, New Delhi 110 002 Tel: 91-11-2323 7431 / 7388 E-impactstainless@yahoo.com Supplier of Mill Products	<b>Phoenix Foils Pvt. Ltd.</b> 87	52/52 'A' Hanubhai Desai Road, No. 13 Islampura Street Mumbai - 400 004 E-kapil@phoenixfoils.com stainless steel cold rolled coils & foils
<b>Minox Metal Pvt. Ltd.</b> 74	No. 7, PC Lane, SP Road Cross Bengaluru - 560002, Karnataka, India Tel : +(91)-(80)-66595800 E-info@minoxmetal.com, W-minoxmetal.com stainless steel sheets,stainless steel coils, designer sheets	<b>Prakash Steelage Ltd.</b> 88	701, Mahalaxmi Chambers, Near Mahalaxmi Temple, Dr. Bhulabhai Desai Road, Mumbai- 400026 Tel : +91-22-6613 4500 E-exports@prakashsteelage.com, W-prakashsteelage.com stainless steel pipes and tube welded and seamless
<b>Metal Traders India Pvt. Ltd.</b> 75	No. 685, Chowk Bara Tooti, Sadar Bazar, New Delhi - 110006, Telephone : +(91)-(11)-23683274 E-mtimli@gmail.com, W-metaltradersindia.co.in Metal Made Products, Copper Products, Nickel Products	<b>Prasum Metals Pvt. Ltd.</b> 89	1st Floor, Ajanta Complex, Guest House Road, Morvi -363641, Gujarat, India E-info@prasummetals.com, W-prasummetals.com Stainless Steel Wire and Bar industry
<b>Metallic Bellows India Pvt. Ltd.</b> 76	No. 3/ 136, East Coast Road, Vettuvankeni Village, Injambakkam, Chennai - 600 041, Tamil Nadu, India Telephone : +(91)-(44)-24491450 E-info@metallicbellows.org, W-metallicbellows.org Metal Bellows	<b>Progressive Surface Systems Pvt. Ltd.</b> 90	No. 3-B, Udyog Nagar, SV Road, Goregaon West, Numbal - 400063, Maharashtra, India Telephone : +(91)-(22)-42372222 E-support@progressivechemicals.net, W-progressivechemicals.net Textile, Dyeing & Finishing Chemical, Barrel, Tanks, Equipment & Filter



COMPANY NAME	ADDRESS	COMPANY NAME	ADDRESS
<b>QUALITY FOILS (INDIA) PVT. LTD.</b>	3, Industrial development colony, Hisar - 125005, Haryana (India). Phone : +91-1662-220327 / 220328 / 220329 E-contactus@qualityfoils.com, W-qualityfoils.com Manufacturers of Cold Rolled Stainless Steel Precision Strips, Coils welded pipes, square, rectangular tubes, S.S seamless pipes & s. S. Corrugated Hoses & assemblies	<b>Salem Stainless Steel Suppliers (P) Ltd.</b>	#33, Lawyer chenna thambi street, Konditope, Chennai - 600079. Ph : 044-23463000/51/53/54/55 E-info@ssssgroup.com, W-ssssgroup.com Stainless Steel Pipe Fittings, Stainless Steel Coils & Plates, Stainless Steel Bars
<b>Raajratna Metal Industries Ltd.</b>	No. 909, Sakar Shree, Income Tax, Asaram Road Ahmedabad-380014, Gujarat, India Tel: 079-27543681 E-domestic@raajratna.com, W-raajratna.com stainless steel wire	<b>Sahu Refrigeration Industries Ltd.</b>	80, Rajasthani Udyog Nagar, G T Karnal Road, Delhi - 110033, Ph : +91-11-27454771 E-lohia@gsasdi01.vsnl.net.in Cold Rolled Stainless Steel Strips/Coils
<b>Raajratna Ventures Ltd.</b>	1001- Sakar-III, Near Income Tax Office, Ashram Road, Ahmedabad-380014, Gujarat Ph. : +91 79 2756 1915/16/17 E-domestic@raajratna.com, W-raajratna.com Industrial nuts, industrial bolt, stainless steel screw, nut bolts, hollow sections	<b>Smart Stainless Tubes Pvt. Ltd.</b>	3A, Auckland Place, Kolkata-700017 Ph: 033-40124111 E-marketing@smartrtubes.in, W-smartrtubes.in Suppliers stainless steel composite pipe, stainless steel tubes, stainless tubes
<b>Radiant Impex</b>	1st Khetwadi Lane, 1st Floor, 82, Badrikaashram Building, Mumbai-400 004 (India) Tel No.: +91-22-6659 5114, 6659 5891 E-ankeshbokadia@yahoo.com, W-radiant-impex.com Stainless Steel, MS, CS Alloy Steel, Ferrous and Non Ferrous	<b>Sandvik Asia Pvt. Ltd.</b>	Mumbai Pune Road, Dapodi Pune - 411 012 Telephone: + 91 20 27104800 E-info.in@sandvik.com, W-smt.sandvik.com Bars, Strips, Welding consumables, Wires, Seamless Tube & pipe, Fittings and Flanges
<b>Rahul Industries</b>	74-A Heavy Industrial Area Jodhpur - 342001 (Rajasthan) INDIA office : +91-291-2748705 E-rahul_ind@satyam.net.in, W-rahulindustries.com Welded Tubes Incl. Square & Rectangular Tubes	<b>Schmolz+Bickenbach India Pvt. Ltd.</b>	Plot No. B - 102, Additional MIDC Industrial Area, Ambarnath (East), Thane - 421506 E-s.khanvilkar@schmolz-bickenbach.com W-schmolz-bickenbach.com Steel Billet, Wire Rod, Tool Steel, Engineering Steels and Aircraft Steels
<b>Rail Coach Factory</b>	Hussainpur Kapurthala 144 602, Punjab Tel: 91-1822-228 950 (P5) E-rcf-gm@hub.nic.in, W-rcfkapurthala.com Railway Coaches	<b>Shriom Chemicals</b>	Plot No. F-7 Old M.I.D.C. Satara, Maharashtra - 415004 Tel : +91 21 62 24 44 30 E-shriom.chemicals@gmail.com, W-passivationindia.com Chemicals, Chromate Passivation of Brass articles, Ipact Dip, Halco Phe Scale & Passivation
<b>Redex India Pvt. Ltd.</b>	ALCAZAR PLAZA AND TOWERS, UNIT NO. 9, 2ND FLOOR ROAD NO. 1, BANAJARA HILLS, Hyderabad - 500034, Andhra Pradesh, Phone No : 91-40-66139966 E-bejoymenon@redex-india.in, W-redex-india.in Precision rolling,	<b>Sharp Engineers</b>	Gat No 301/2, Nanekarwadi, Chakan, Tal-Khed, Pune-410501, Phone: +91 - 2135 - 320601/2/3 E-info@sharpengineers.com, W-sharpengineers.com Architectural Fabricator
<b>Remi Edelstahl Tubulars Ltd.</b>	Remi House, 11, Cama Industrial Estate, Walbhat Road, Goregaon East, Mumbai - 400063, India Tel. : +91 - 22 - 4058 9888 / 800 E-info@remigroup.com, W-remigroup.com Stainless Steel Welded & Seamless Pipes	<b>Sawalka Kel Pvt. Ltd.</b>	5A, Robinson Street, 3rd Floor, Kolkata - 700017 Ph : +91.33.22878117 Pressing, Rolled formed channels & Bended frames,
<b>Raj Laxmi Industries</b>	E-93, M.I.A, II Phase Basni Jodhpur-342005 Ph :- +91-291-2741452, 2744452 E-info@rajlaxmisteels.com, W-rajlaxmisteels.com Stainless Steel Kitchenware, Designer Cookware, Kitchen Utensil	<b>Simple Enterprises</b>	B-10/5, Jhilmil Industrial Area, New Delhi-110095 Tel: 91-11-22570471 E-info@simple.co.in, W-simple.co.in Catering Equipment, Architectural Fabricator
<b>Rampra Steel Industries Pvt. Ltd.</b>	A-11 Shriram Ind. Estate, Near Wadala Telephone Exchange, Wadala, Mumbai- 400 031, Tel : 91-22-24110124/25/26 E-info@ramprasteel.com, W-rampra.com bright steel bar	<b>Singhal Products (I) Pvt. Ltd.,</b>	'THE VIEW' 3rd Floor, 165, Dr. Annie Besant Road, Worli, Mumbai - 400018 E-amit@singhalproducts.com packaging and lining products for chemicals, fertilizers, cements
<b>Ratnesh Metal Industries Pvt. Ltd.</b>	327-A, Akshar Arcade, Opp. Memnagar Fire Station, Navrangpura, Ahmedabad - 380009, Gujarat, India Telephone : +(91)-(79)-26401487 E-info@ratneshmetal.com, W-ratneshmetal.com stainless steel, Bright bars, Fasteners, logs, Brightbars, Fasteners, Hexagon Bars, Round Bars	<b>Sreevatsa Stainless Steel Fabricators Pvt. Ltd.</b>	T.nagar, chennai-17. - 600017, Tamil Nadu, India Phone No. : 044-22523469 E-sreevatsa.stainless@gmail.com W-sreevatsastainless.com Architectural Fabricator
<b>Real Strips Ltd.</b>	401-402 Florence Ashram Road, Opp Ashram Road Post Office, Ahmedabad, Gujarat-380009 Phone : 91-079-26581883/8788/0455 E-info@realstrips.com, W-realstrips.com Strips, Foils	<b>Stalatube OY-SLP INOX</b>	C-304, Rashmi Tanmay CHS, Eden Rose Complex, Beverly Park, Mira Road - East, Mumbai - 401107 Phone : 91-22-65230698 E-tushar.patil@stalatube.com, W-stalatube.com Hollow Sections (Square & Rectangular Tubes)
<b>Rishi Laser Ltd.</b>	612 Veena Killedar Indl Estate, 10-14 Pais Street Byculla(W), Mumbai, Maharashtra-400011 Phone : 91-22-23075677/23074897 E-services@rishilaser.com, W-rishilaser.com Sheet Steel Fabrication, Laser Cutting, Welding	<b>Sudhir Automotive Industries Pvt. Ltd.</b>	301, Building No. 5, Local Shopping Centre, Derawala Nagar, Gujrawala Town, Phase-IV, Delhi-110009, India Telephone : +91-011-47091703/27127954, E-india@saifasteners.com, W-saifasteners.com Fasteners
<b>Skm Steels Ltd.</b>	30, C. P. Tank Road, Mumbai - 400004, Tel : +91 22 40716600 E-sales.ss@skmsteels.com, W-skmsteels.com Billets, Wire Rods, Rounds, Bright Bars, Wires, Flanges	<b>SUHNER India Pvt. Ltd.</b>	Plot No. 235, U2, Bommasandra Industrial Area Bangalore- 560099, Tel. +91 (0) 80- 27831108 E-abrasive.in@suhner.com, W-suhner.com Tools and Abrasives for Stainless Steel Surface Finishing



COMPANY NAME	ADDRESS	COMPANY NAME	ADDRESS
<b>Suraj Metal Corporations</b>	21, 2nd Carpenter Street, Mumbai 400 004 (INDIA) Tel No.: (91) 022- 23866919 / 23895697 E-info@sumcoflanges.com, W-sumcoflanges.com Supplier of Various St. Steel Raw Materials Wire, Roli Formed Products	<b>Tube Products of India</b>	Post Box No: 4, Avadi, Chennai - 600054 Phone: +91 44 42177770 E-info@tiindia.com, W-tubeproductsindia.com Precision Tubes & CR Strips
<b>Suraj Stainless Ltd.</b>	Suraj House, Opposite Usmanpura Garden, Ashram Road, Ahmeda, Ahmedabad - 380 014, Gujarat, Telephone : +(91)-(79)-25740720 E-suraj@surajgroup.com, W-surajgroup.com Welded and Seamless Tubes, U-Tubes	<b>Trust Impex</b>	Old No. 220/1, Linghi Chetty Street, Chennai - 600 001, Tamil Nadu, India Telephone : +(91)-(44)-42153100 W-trustimpex.com Supplier of wires, round bars
<b>Surface Innovators Pvt. Ltd.</b>	G-2, Creative Industrial Estate, Plot No. 12, Next to H.P. Petrol Pump, N. M. Joshi Marg, Lower Parel, Mumbai - 400011, (INDIA) Tel.: +91-22-2300 5205, 2309 7759 E-surfaceinn@vsnl.com, W-surfaceinnovators.com Pickling & Passivation Products	<b>Valbruna Stainless &amp; Nickel Alloys India Pvt. Ltd.</b>	Tower 3, Ground Floor, Mini Suite 3, Equinox Business Park, Off BKC, LBS Marg, Kurla West Mumbai - 400070 Maharashtra, India Tel : (022)-42630201 E-nadeem@valbrunaindia.com, W-valbruna-stainless-steel.com special metals, metal alloys, nickel alloys, billets, coils, steel bar
<b>Swastik Industrial Works</b>	151, Ashok House, Narayan Dhuru Street, Nagdevi area, Masjid West, Mumbai-400 003, Maharashtra, India Telephone : +(91)-(22)-40464146 E-siwindia@gmail.com, W-siwindia.com Bolt & Screws, Nut, Washer, Socket Screw	<b>Valgro India Ltd.</b>	"Valgro House", 2nd Floor, Shailly square, National Highway No. 08, Virat Nagar Cross Roads, Ahmedabad - 382350, Gujarat W-valgro.co.in Abrasive Manufacturer
<b>Shriram Steel</b>	C-1, Ambabari Jaipur - 302 023 E-info@shriramsteels.com W-shriramsteels.com Scrap & Raw Material Supplier	<b>Vedik Ispat Pvt. Ltd.</b>	No.1, Model House Road, Basavangudi, Bangalore-560004, Telephone : +(91)-(80)-40909889 E-vedikispat@gmail.com Flats, Ingots, Billets, Rounds, Squares, Sheets, Castings, Slabs, plates, sheets / coils (HR)
<b>Stallion Infrastructure Pvt. Ltd.</b>	No. 282, Mysore Road, Bytarayanapura, Near AMCO Batteries, Bangalore - 560026 E-info@stallionind.com, W-stallionind.com Architectural Designers & Fabricator-Cladding, Railing, Space frames, Furniture, Sculpture, Bus Shelters, Cable trays Display System, Signage	<b>Veer Sanitary Appliances (P.) Ltd.</b>	B-10/3, Pares Bhawan, Group Industrial Area, Wazirpur, Delhi-52 (INDIA) Phone : +91-11-27374492, 27372402 E-chilly@ndf.vsnl.net.in, W-chillyindia.com Home appliances
<b>Tarini Engineering Pvt. Ltd.</b>	17 B, Waghele Bhuvan J P Nagar, Road No.1 Opp. Canara Bank Goregaon (E), Mumbai - 400063 E-tariniengineering@gmail.com, W-tariniengineering.net Architectural Fabricator	<b>Venus Home Appliances Pvt Ltd.</b>	4/993, Kamaraj Street, Rajiv Gandhi Salai (OMR), Kottivakkam, Perungudi Post, Chennai-600096, Phone : +91-044 - 43401515, E-cmo@venushomeappliances.com, W-venushomeappliances.com Home appliances
<b>Tata Steel Ltd.</b>	11th floor, Tata Centre, 43 Jawaharlal Nehru Road Kolkata 700 071 Phone : 91 33 2288 7051 Flat products, Long Products, W-tatasteel.com	<b>Venus Wire Industries Pvt. Ltd.</b>	Block No. 19, Raghuvanshi Mill Compound, Senapati Bapat Marg, Lower Parel West, Mumbai - 400013, Maharashtra, India Telephone: +(91)-(22)-24978840 E-venuswires@venuswires.com, W-venuswires.com Rounds, hexagons, squares, wire rods, wires
<b>Tayal Furniture</b>	J N Mukherjee Road Ghosuri Howrah - 711107, West Bengal Tel: +91 33 26558680 E-tayalfurniture@yahoo.co.in Architectural Fabricator	<b>Viega GmbH &amp; Co. KG</b>	1005, DLH Park, Opp MTHL Office SV Road, Goregaon West Mumbai-400062, Tel: 91-124 4359300-99 E-Shailesh.khamar@viega.in, W-viega.com Welded tubes, builders' hardware, sanitary products
<b>Techbyte</b>	#193, (13/3) 2nd Floor, 5th Main Road/Shankarmutt Road (Landmark : Shivatulasi Medicals) Chamarajpet, Bangalore-560 018, Karnataka, INDIA, Telefax: +91 80 2667 5879 E-techbyteindia@rediffmail.com, W-techbyteindia.com Architectural fabricators, Railing	<b>VSP Intenational</b>	A-29, Wazirpur Industrial Area, New Delhi - 110052 Telephone : 011 - 47252210/11 E-vsp999999@gmail.com Stainless steel strips and coils
<b>Techno Centre India Pvt. Ltd.</b>	No. 199, Jothwara Industrial Area, Jaipur - 302012, Rajasthan, India, Telephone : +(91)-(141)-2340501 E-technocentre@yahoo.com, W-technocentreindia.com Architectural fabricator	<b>Vale International SA-Nickel Division</b>	502, Gold Crest Business Centre, L.T. Road, Borivali (W), Mumbai - 400092 E-vinsomani@hotmail.com Producer of Nickel



## ISSDA Association Members

COMPANY NAME	ADDRESS
1 All India Stainless Steel Industries Association (AISSIA)	302, Arun Chambers M M Malavia Road, Mumbai - 400034 Tel: 91-22-2352 3764 E-info@aissia.org W-aissia.org Other stainless steel products
2 The Indian Ferro Alloy Producers' Association	1-B, Haji Moosa Patrawala Indl. Estate 20, Dr E Moses Road, Mahalaxmi (W) Mumbai - 400011 Tel: 91-22-2496 2755 E-ifapa@vsnl.net, W-ifapaIndia.org Association of Producers / Suppliers of Ferro Alloys
3 Institute For Steel Development & Growth (INSDAG)	Ispat Niketan , 1st floor 52 / 1 A, Ballygunge Circular Road, Kolkata - 700019 Tel: 91-33-2461 4049 / 4047 / 4049 E-indsdag@rediffmail.com, W-steel-indsdag.org Expansion of Steel Usage in Domestic & Industrial Sectors
4 Non-Ferrous Metal Association (Karnataka)	# 15, Shanthappa Lane S.J.P. Road Cross Bangalore 560 002 Tel:080-22232729 E-Nmak09@gmail.com
5 Nickel Institute	5th floor, Avenue des Arts 13, Brussels 1210, Belgium Tel: +32 22903200 E-brussels@nickelinstitute.org, W-nickelinstitute.org Tech. Info. on Applications of Nickel, Nickel-Containing Alloys and Nickel-Containing SS

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E-mail : [info@jnbsteels.com](mailto:info@jnbsteels.com), [jnbsteel@gmail.com](mailto:jnbsteel@gmail.com)  
Website : [www.jnbsteels.com](http://www.jnbsteels.com)





# Shaping Modern Infrastructure



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