Over the last year, SAIL has come up with some of the most inspiring public installations made in stainless steel representing the versatility of this wonder alloy. These various public installations truly highlight the excellent engineering properties in combination with beauty of stainless steels.
“Tree of Prosperity”

“Tree of Prosperity” carved out of Stainless Steel has been erected by Salem Steel Plant, a unit of Steel Authority of India Limited at its works.

They have named it “Tree of Prosperity” because they feel that it symbolizes the perpetual growth and prosperity that is envisioned for Salem Steel Plant. Its trunk symbolises the infrastructure of the plant & equipment and the branches represent various departments. The leaves symbolise the Salem Steel collective who photosynthesize the sunlight (resources) and fructify them into fruits, ie, the output.

The Tree of Prosperity has been crafted aptly in Stainless Steel which manifests beauty, permanence and eco-friendliness. This concept of a gleaming Coconut Tree, also known as MAHAVRIKSHA, in stainless steel, may be first of its kind in India and is indeed a unique effort.

This Stainless Tree measures about 5 metres in height, with a varying diameter of 200 to 350 mm through its trunk. Its leaves have been crafted out of stainless steel of grade 430 while its stem is made of grade 304. The outer cladding is of grade 430 and the inside SS pipe is made of grade 304.

CHARKHA - Symbol of Swadeshi Kranti by Mahatma Gandhi

Continuing the zeal of bringing Stainless Steel in the public art and monuments, Steel Authority of India Ltd. along with Khadi & Village Industries Commission and New Delhi Municipal Corporation have put up a giant CHARKHA - a
symbol of Swadeshi Kranti by our Father of Nation Mahatma Gandhi, near Khadi Gramodhyog Bhawan over Palika Bazar at Rajeev Chowk, New Delhi. It is part of Charkha Heritage Museum and is 25 ft long and 13 ft high. It has been fabricated out of Stainless Steel of Grade 316L supplied by Salem Steel Plant of SAIL.

**Lion - Symbol of Make in India Initiative**

To inculcate the spirit of “Make in India” amongst the people at large and visitors and employees of SAIL, a collage of SAIL PRODUCTS AND APPLICATIONS in the form of Lion was displayed at Pragati Maidan, New Delhi during IITF 2017. Now it is getting installed at Ispat Bhavan, corporate office of Steel Authority of India Ltd., New Delhi.

Lion - Logo of Make in India initiative of Honourable Prime Minister of India Shri Narendra Modi, has been made of Stainless Steel of Grade 316L. This artifact is hollow and 8ft long x 4 ft tall and 2½ feet wide in the torso.

**Gangaben Kutir**

Gangaben Kutir - Weavers Chamber is a part of the CHARKHA heritage museum. It is an air-conditioned chamber where weavers are engaged in spinning continuously. This all-stainless steel air-conditioned cubicle and the adjacent stainless steel information kiosk have been fabricated and supplied by SAIL. These are all crafted with 304 grade stainless steel produced by Salem Steel Plant. In the same garden leading to the Heritage CHARKHA museum as well as other popular public convergence spots in the Connaught place as well as the Defence Colony market, SS BOLLARDS supplied by SAIL have been installed by NDMC and SDMC. These LED lit bollards crafted with 304 grade stainless steel add light to lusture.

**Surya Kanti - Solar Tree**

New Delhi Municipal Corporation has installed a Solar Tree of 6.8 meter height with 9 petals at Palika Vatika near the Palika Bazaar at Rajeev Chowk, New Delhi. It generates 1.26 KW of power, having mobile charging stations and interactive panel, in addition to LED lights. The stainless steel Solar tree fabricated by Steel Authority of India Ltd. is crafted out of 304 grade stainless.

For further detail please contact:
General Manager (Marketing), SAIL
T: 0427-2384285, e-mail : ramadas@sail-steel.com
Continuing its contribution towards Smart City initiative, SAIL has fabricated and installed two solar powered bus shelters at Shanti Path, New Delhi on behalf of NDMC. Crafted with 304 grade stainless steel, these bus shelters are designed to generate approx. 5kw power. Besides being self-reliant in generating electricity for bus shelter requirement, it will help government in generating electricity through solar power. NDMC is planning to build more such solar powered stainless steel bus shelters.

Infrastructure - Stainless Steel enters Rural India

Probably for the first time, Stainless Steel is being used for bus queue shelters in Rural coastal areas of Karnataka- Karwar. Under CSR, PepsiCo was convinced to use Stainless Steel as they were made to understand lifecycle costing and longevity advantages connected with this material. As the life increases multifold in comparison to other material they can advertise for a much longer period.

The designing was done by Stallion to keep the cost very economical and still be structurally strong to take various load factors involved in that geographical area. To ascertain this finite element analysis for structural integrity was done. The whole process was rooted through an NGO - Habitat for Humanity India. 10 Bus Shelters, each weighing 450kgs in 304 grade mirror finish was used.

This could become a role model project for Rural India, if perused systematically.

Designers and fabricators
Stallion Stainless
#173, #2A KIADB 2nd Phase,
Kumbalgodu, Bangalore-560074
Contact Person- Nishi Mehta
Email-id: info@stallionind.com
Mob- 9620398249 Ph- 08028437015

Message from Executive Director, Salem Steel Plant

I am pleased with the efforts taken by ISSDA in collecting and presenting to the world of Stainless Steel about the various developments that are taking place in the Stainless Steel industry in the Indian sub-continent. It is indeed an honour that ISSDA, in its Jan’18 issue, is publishing a special feature about artifacts crafted out of Salem Stainless. These architectural creations crafted out of various grades of Stainless Steel will not only be a testimony for the versatility of stainless steel but will serve as a motivating factor for others to create such creative expressions in stainless steel.

Besides, this effort of ISSDA will not only provide wide publicity to products of Salem Steel Plant but will serve as a valuable chronicle of the stainless steel developmental efforts in the country for future generations.

I once again thank ISSDA for its efforts and wish them success in all its endeavors.

PK Mishra
Executive Director
Salem Steel Plant, SAIL
ISSDA, in association with Nickel Institute organized workshops in the city of Chandigarh, Kolkata and Vijaywada on 17th, 19th and 21st July 2017. The sessions were conducted by Mr Graham Sussex, a renowned Nickel institute consultant, in the field of Architecture, Building and construction. In Chandigarh, we also had well known Ar. Sangeet Sharma and Ar. Bimal Kachroo as speakers. Kolkata program was done in association with Institute of Steel Development and Growth (INSDAG). Vijaywada program had speaker from SAIL, Salem and Minox Metals, Bengaluru also. These programs targeted audiences belonging to Architecture Building and Construction and made them aware how the usage of stainless steel is important in their field in terms of endurance, long term durability and sustainability.

These conferences were attended by independent architects, builders, designers and participants from various institutions, public and private companies and government departments.

The topics covered in the programme are as follows:

- Stainless Steel Application in Architectural Applications
- Stainless Steel an ideal solution for Water Storage
- Recent trends in application of Stainless Steel in Architectural Building and Construction in India
- Stainless Steel in Structural Application
- Stainless Steel in Smart City
- Different Stainless Steel Finishes, etc.

Nickel Institute appoints Richard Matheson as Director, Market Development

Richard Matheson has been promoted to Director, Market Development, Nickel Institute as of January 1, 2018. Richard succeeds Nigel Ward who retired from the Nickel Institute on 31 December 2017. In his new role, Matheson will continue to develop the markets for nickel and takes over as the global lead for the Nickel Institute’s Market Development team. He is also now a member of the Nickel Institute’s Management Committee.

Matheson was previously Deputy Director, Market Development & General Manager, Asia, for the Nickel Institute. He has worked in the nickel and stainless steel industries since 1987, when he began his career with Queensland Nickel. In 1992, he joined the newly-established Australian Stainless Steel Development Association (ASSDA) where he was Executive Director until 2017. In parallel, Richard Matheson has represented the Nickel Institute since 2007.
ISSDA is very pleased to inform its readers that the Indian Standard IS 16651:2017 “High Strength Deformed Bars and Wires for Concrete Reinforcement – Specification” has been released by Bureau of Indian Standards.

This standard was adopted by the Bureau of Indian Standard, after the draft finalized by the Concrete Reinforcement Sectional Committee, CED 54 was approved by the civil engineering division council.

The foreword of the standard says: “The performance of a reinforced cement concrete (RCC) structure decreases substantially in a corrosive environment. India has a large coastline where chances of Chloride induced corrosion in the reinforcing steel used in RCC structure made in the marine type environment of this area are high. A need was thereof felt to provide options to users, to consider use, in appropriate cases, such material, which in addition to satisfying mechanical properties required for reinforcing steel for use in RCC structures, also provide better corrosion resistance properties than carbon steel. Stainless steel reinforcement bars are one such material which offer these properties. This standard has therefore been formulated to fulfil the need of prescribing quality requirements of stainless steel reinforcement bars/wires for use in reinforced constructions as steel reinforcement.”

This standard covers three categories of stainless steels, namely austenitic, austenitic-ferritic (Duplex) and Ferritic. Guidance on selection and use of stainless steel reinforcement bars, as also their use with carbon steel reinforcement on selective use basis, has been given in this standard. In the formulation of this standard due weightage has been given to international coordination among the standards and practices prevailing in different countries in addition to relating it to the practices in the field in India.

ISSDA is very thankful to all those who have contributed over the years in making and shaping of this standard. ISSDA sincerely thanks its member companies Outokumpu India Ltd, Raajratna Metal Industries Limited, Sunflag Iron and Steel Ltd and Mittal Corp Ltd. for all the support. We are sure that this standard will help producers and end users of reinforcement bars in creating sustainable and long lasting infrastructures.

The standard can be purchased online from the BIS e-sales web portal http://www.standardsbis.in/Gemini/home/Home.action.
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In continuation to ISSDA promotional activities, a series of knowledge sharing workshops were organised at different locations for heavy engineering/ nuclear industry with the help of Nickel Institute.

These sessions were conducted by a renowned Nickel institute consultant, Mr. Gary Coates. The objective of the programme was to disseminate information on grade selection, corrosion behavior, welding and fabrication issues on stainless steels.

These programmes received overwhelming responses from the participants of all the departments and companies and were well appreciated by one & all and this will definitely help them to use more stainless effectively.

Starting from a session in Chennai, where representatives from more than 40 companies participated, we conducted further sessions at BARC, Godrej and L&T as following:

Monday, June 26, 2017 from 5:30 PM onwards
**Session on Duplex Stainless Steel**
Hotel Raintree
St Mary's Road, Chennai

Tuesday, June 27, 2017 from 2:30 PM onwards
**Knowledge Sharing and Training Session on Stainless Steel in Heavy Engineering**
**Session on Usage of Stainless Steel in Process Equipment industry.**
Godrej & Boyce, Mumbai

Wednesday, June 28, 2017 from 5:00 PM onwards
**Session on Usage of Stainless Steel in Nuclear industry.**
The Acres Club,Sapphire Banquet, Chembur, Mumbai

Thursday, June 29, 2017 from 2:30 PM onwards
**Session on Usage of Stainless Steel in Heavy Engineering industry.**
SBU Block Auditorium L&T, Hazira, Gujarat
Stainless Steel Training & Demo Van

Jindal Stainless has been conducting various activities for promoting stainless steel in ABC Sector. In this context, fabricators for stainless steel household items are being developed on all India basis and as of now more than 5200 fabricators have been given training in more than 47 cities. Further a training and demo van has been developed for providing onsite training to fabricators.

The training van carries Jindal Stainless branding and has all interiors made in stainless steel including walls cladding, roof, chequered floor and cabinets. Many of the items made in stainless steel are displayed on the shelves of the cabinets. Moreover, the van is equipped with Generator and all welding, finishing & Cutting tools to conduct onsite demonstrations for fabricators.

The van has covered more than 12000 KMs in last four months and has given practical training to more than 1250 fabricators. Welder moving along with the van has helped fabricators to make many more items like Furniture & utility items in stainless steel by practically fabricating them in their shops. More than 50 items including chairs, tables, cabinets etc. have been made as of now and many more are in pipeline. This is helping fabricators to develop more and more items in stainless steel.

Not only this van is used for training fabricators, it is becoming a part of road shows for consumers. Van has moved in many cities showcasing various possibilities in stainless steel to consumers and attracting lot of consumers to use & buy stainless steel items. Many of the leading institutes, RWA societies, etc. have been covered during road shows in more than 25 cities.

This is a unique concept in our industry & has been greatly appreciated by customers, fabricators and consumers and will definitely help in increasing per capita consumption of stainless steel in the country.

For further details, Please contact: marketing@jindalstainless.com
On behalf of Ministry of Steel and supported by Nickel Institute, ISSDA organized a special seminar on Stainless Steel for Water Service Pipeline Treatment and Storage at New Delhi on 10th November 2017. The programme was also supported by our primary member Jindal Stainless Limited.

This program was honored by the presence of Minister of State for Steel, Secretary Ministry of Steel, Secretary Ministry of Housing and Urban Affairs, Joint Secretary Ministry Drinking Water and Sanitation, Vice Chairman Jindal Stainless (Hisar) Ltd., General Manager Asia, Nickel Institute, Director (Commercial) SAIL.

The seminar was attended by many Municipal bodies across India, various Government departments such as NDMC, CPWD, MOUD, CPHEEO, NWDA, EPIL, NBCC, HUDCO etc. and reputed professionals from the industry.

There were three sessions in the seminar. It started with the inaugural session and lightening of lamp. Welcome address was given by President ISSDA, Mr. K K Pahuja. He also addressed the global scenario of stainless steel manufacturing and uses. He brought the discussion to water pipelines issues in India and invited all stakeholders to work with ISSDA to develop Indian standard for water service pipeline.

President ISSDA welcoming Mr. Abhuday Jindal VC MD, JSL

Panel Discussion in progress

Hon’ble Minister of State for Steel Mr. Vishnu Deo Sai & Dr. Aruna Sharma, Secretary (Steel) lighting the ceremonial Lamp.

Ms. Soma Mondal, Director (Commercial) SAIL in discussion with Mr. Vijay Sharma Sr. V.P. JSL and Mr. Rajiv Garg, AVP JSL.

Technical session in progress
The theme address was given by Dr Aruna Sharma, Secretary Ministry of Steel. She highlighted the cost effectiveness of stainless steel over expedient material and its acceptance worldwide in different countries. She also highlighted health hazard associated with the use of other contaminating material when used with water.

Shri Vishnu Dev Sai , Minister of State for Steel gave the opening address to the session and appreciated the work of ISSDA. He highlighted the importance of water in our life, water shortages across country and issues in supply. He then spotted the requirement of Stainless steel in the sector to deal with such issues.

ISSDA released a book on the occasion, titled Stainless Steel for Water Service Pipelines, treatment and Storage” which is a compendium of national, international articles and relevant information on advantages of using stainless steel in water related application with a special focus on leak proof water service pipelines. Detailed case studies from around the world, have been included which explains how various cities such as Tokyo, Seoul, Taipei have been able to overcome the problems of water leakages by adopting leak-proof stainless steel service pipelines for entire water distribution network of the city. The book also discusses various advantages stainless steel offers in areas such as waste water and potable water treatment plants, Desalination plants and bulk water handling. It is intended to serve as a reference and recall document for perspective users.

Panelist in the interactive session on Challenges and Opportunities of Stainless Steel in water service pipeline were Secretary Ministry of Steel Dr Aruna Sharma, Secretary Ministry of Housing and Urban Affairs Shri Durga Shanker Mishra, Joint Secretary Ministry of Drinking Water and Sanitation Shri Satyabrata Sahu, General Manager Asia - Nickel Institute Mr. Richard Matheson and Vice Chairman - Jindal Stainless (Hisar) Ltd. Shri Abyuday Jindal. This session was moderated by Ms Jyoti Mukul, Associate Editor - Business Standard.

Interactive technical session was graced by Mr. Richard Matheson, General Manager Asia - Nickel Institute, Shri Tushar Javeri CEO - Vasu Chemicals, Shri Gaurav Chowdhry Associate Vice President - Jindal Stainless Ltd, Shri Tarun Pal Director - Jove and Klar Engineering Ltd and Shri Shailesh Khamar - Viega India Pvt Ltd. This session was moderated by Ms Ruchika Chaudhry Govil Joint Secretary - Ministry of Steel.

The seminar has opened up opportunities for introducing stainless steel service pipelines. Further follow up will be done to take it forward.
Indian Stainless Steel Development Association held an Annual Forward looking session on 22\textsuperscript{nd} September 2017 where the importance of standards and standardizations processes were discussed. More than 50 personnel of various stainless steel industry and Government bodies from BIS, Ministry of Steel, Jindal Stainless, SAIL, Sunflag Steel, Outokumpu, AB Inox, Jyotilnox, JSSL, Glencore and other members of ISSDA and special invitees were present in the event.

Mr. K.K.Pahuja, President, ISSDA gave welcome speech followed by opening remarks from Mr. ACR Das, Consultant, Ministry of Steel. Informative presentations on standardization were delivered by Ms. Madhurima Madhav, Scientist- C, BIS Mr. Ashok Kumar, Scientist, BIS and Mr. Rohit Kumar, Executive Director, ISSDA.

Participants were informed about the process of standard formulation, its importance and how it can be useful for stainless steel industry.

A special session on “Stainless steel and Nickel Alloys for Defense, Aerospace and Nuclear Applications” at NMD 2017

A special session was organized at the 55th National Metallurgists’ Day (NMD) and the 71st Annual Technical Meeting (ATM) an annual mega event of The Indian Institute of Metals on 12th November 2017 at Goa, where metallurgists and material engineers from the industry and academia participate and share their experiences and learnings on various aspects of metallurgical and materials engineering.

Objective of the seminar was to highlight the role of stainless steel and nickel alloys in Defence, aerospace and nuclear applications. Various top organizations like Indian Space & Research Organization, Defence Research & Development Organization, Department of Atomic Energy, Bhabha Atomic Research Centre, National Aerospace Laboratories, Indira Gandhi Centre for Atomic Research and other Premier Institutes participated in this session. The programme helped in coordinating with scientific community of the country to take stainless steel and nickel alloys promotion programme further.
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“Purity of Taste - Bottling your water in the best way”

In this digital age when useful information can be quickly shared with a wider reach still it is seen that reusable plastic bottles are predominantly being used for drinking water. Most of the plastics are prone to bacterial growth as well as altering the taste of water. It is well known fact that next to glass, Stainless Steels are the best which offers “purity of taste” meaning it doesn't impart any flavors into the water and is completely safe of any contamination as it is a known food grade safe material.

It was during India International Trade Fair 2011 at Pragati Maidan, New Delhi that I came across reusable Stainless Steel fridge bottles at the pavilion of SAIL under the Ministry of Steel. It was being offered at a substantial discount and was still costly as compared to best of plastic bottles available at that time in the market. Being a person devoted to the stainless steel, I was fully aware of the hygiene qualities of stainless steels, and went ahead purchasing 6 bottles in spite of fear that my Home Minister will be unhappy knowing the cost of these bottles. Anyhow, she used these bottles along with plastic bottles and soon found the difference in the taste of water between these two types of bottles. She immediately discarded plastic bottles realizing the value of stainless steel bottles. She not only procured more bottles for herself but inspired her friends and relatives also to do the same. Soon our relatives and neighbors also wanted to procure these bottles.

Few years later when I was posted at Chennai, I stayed in the Guest House of SAIL and found that they were keeping plastic bottles in my room for water. I procured SS bottle for myself through online shopping. While wandering in the market I found SS fridge bottles at varying prices and much cheaper with different designs. Obviously these might have been made of low nickel austenitic stainless steel grades but 304 grades made Stainless Steel bottles were also available. When I visited ISSDA office, I found they are also using SS made water bottles only.

One need not go for laboratory test to check the leaching of plastic in water. Please keep water in plastic bottle and SS bottles together for one full day and check the taste yourself.

I would like to remind the readers of this magazine that drinking water is one of the most valuable and precious nutrient on the planet and when you carry it, it should be something special and better. Use stainless steel bottles.

nagendravijay@stainlessindia.org

Stainless Steel and the Union Budget 2018-19

The union government budget for the year 2018-19 presented by the Honourable Finance Minister Shri Arun Jaitley is going to strengthen the vision of this Govt. "Sabka Sath Sabka Vikas" as it is likely to bring down the fiscal deficit to 3.3% and bring up GDP growth to 8%. It has taken care of the farmers of the country and is trying to help the poor by creating “ease of living”.

However, for the Stainless Steel Industry, it is a mixed bag.

While it has not taken our wish list into consideration of reduced import duties on the raw material which are otherwise not available in India, it has provided some areas where we, the stainless steel industry, can try to expand the consumption of stainless steel in the country.

Following are the area where SS use can be accelerated..

- Gas connection under Ujjwala scheme target increased from 5 crores to 8 crores - potential for increase in SS Gas Stoves usage.
- Agri Market development - SS can be used in railings, grain silos, cold storages and various other equipments.
- Namami Gange Project - Sewerage Treatment plants require a good quantity of SS.
- Smart city projects, Heritage Cities development, Tourist centers development — Bus queue Shelters, Street seating arrangements, railings, dustbins, garbage bins, Solar trees and various other infrastructure projects. SS rebars also have a good potential in these projects.
- Providing water supply to all households in 500 cities - Water pipelines, plumbing in SS can have good potential.
- 12000 wagons and 5160 coaches are being procured during 2018-19. - Light weight wagons shall be made in SS. All passenger coaches shall be made out of SS for safety purpose.
- Redevelopment of 600 major railway stations & stations with more than 25000 footfalls will have escalators. - Sitting arrangements, dustbins, railings, trolley, food kiosk, roofing etc. Escalators will have a considerable quantity of SS.
- Connect 56 unserved airports and 31 unserved helipads and Existing 124 airports to expand airport capacity more than five times to handle a billion trips a year - railings, trolleys etc, even roofing also can be of SS, especially in the coastal area.
- Develop two defense industrial production corridors - SS has a large potential in the Defence sector.
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M/s Met Tech Steel Works is a manufacturer of quality stainless steel tubes and pipes in all sizes and shapes. They are based in Raipur and are exclusive manufacturer of curtain rods with superior finishing and excellent quality.

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Plot No. 23A - 23B, Metal Park, Phase-I, Raipur (C.G.)
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Web : mettechsteels.com
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P. S. Raj Steels P Ltd. a part of PSSR Group of companies, which came into existence in the year 1956. With the sheer dedication and hard work of Mr. Raj Kumar Gupta, the Chairman, the company has grown magnificently well and is still growing at a rapid pace. His focus in “Transforming Potentials into Performance” has been instrumental in making it a market leader. They are an ISO 9001-2008 certified company and are rated & appreciated by CRISIL.

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  - Finish: No.1, 2B, Matt, Glossy
- Stainless Steel Welded Nominal Bore Pipes
  - Size Range: ½” NB to 8” NB
  - Thickness: 1.50mm to 6.00mm
  - Grade: 201, 202, 304, 316
  - Finish: No.1, 2B, Silver
- Stainless Steel Round & Square Bar
- Stainless Steel Plates & Sheets
- Stainless Steel Strips/Coils
- Stainless Steel Checker & Designing Sheet

Dealers across all over India: They have established dealers at different major locations all over India like Delhi, Hisar, Lucknow, Agra, Kanpur, Morena, Varanasi, Morabad, Mathura, Haridwar, Patna, Gwalior, Jhansi Bareilly, Jammu, Bhubaneswar, Kota, Mohali etc. to ensure timely delivery to the clients.

Contact
Mr. Deepak Kumar Gupta
VPO - Talwandi Rukka
Hisar, Haryana - 125001
Web: http://www.psrajsteels.net
Email: info@psrajsteels.com

M/s Starcke Abrasives India Pvt. Ltd.

STARCKE offers full expertise in abrasive technology and helps you to find the ideal grit type, backing, and bonding system—first-class results in surface finishing. They develop and supply quality abrasive for metal working applications in industry and trade, e.g. for stainless steel, medical engineering, fittings, fixtures, and turbine blades. They support their customers by offering competent services through all process stages.

STARCKE develops and manufactures heavy-duty abrasive belts optimized for use in stainless steel processing operations.

Offering highly flexible abrasives for small diameters, STARCKE helps ensure perfect surface finishing, for example in the fittings and fixtures industry.

**Areas of application:**
- Coarse grinding
- Deburring
- High volume in a short time
- Coil grinding
- Centerless, tubes or cylinders
- Wire grinding
- Rectangular tubes ... etc.

**Recommendation (in place of):**
- Conventional products (Mono coated Abrasives.)
- Zirconia alumina products
- Ceramic grain products

Starcke Abrasives India Pvt. Ltd.
South Block, Office 513, Sacred World, Wanowarie, Pune, Maharashtra - 411 040
Tel.: 020 4122 0134
Fax.: 020 4122 0136
info@starcke.in
www.starckeindia.com
**NEW MEMBER**

**Tiwari Industries**

Established in the year 1972 by Lt. B N Tiwari, Tiwari Industries, a small scale industry (SSI) is an eminent firm engaged in manufacturing and supplying of SS pipes, Fabrication work and Signage Solutions.

The sole objective of the firm is to provide outstanding products and services to the clients and customized solutions as per their requirement.

The services are carried out by skilled professionals, holding years of experience in the domain.

Owing to the quality of the products and services, they have been able to muster a large client base that widely applauds their products for Quality and Service. With 41 years of experience in industry the firm has shown tremendous growth in skills and new technology which has contributed towards the success of the firm.

Contact:
**Tiwari Industries:**
**Office:**
7 Dr, Abani Dutta Road, Salkia, Howrah - 711 106
**Workshop:**
48, Ram Lochan Shire Street, Belur, Howrah - 711 202
Phone: 033-26659781,
Fax: 033-26757425,
Mob.: + 91 9831232844, + 91 9051233370
Email: contact@tiwariiindustries.com
lokesh@tiwariiindustries.com

**NEW MEMBER**

**Suman Steel Industries**

Suman Steel industries is a stainless steel tube manufacturing unit based in India setup in the year 2011. Their company is accredited with ISO 9001:2008 by TUVSUD for manufacturing stainless steel welded pipes.

Suman Steel Industries in a short span of time has mastered the art of manufacturing good quality stainless steel pipes and has established a name for itself as a reliable manufacturer of quality pipes. Their strict adherence to quality Norms, detail checking of product quality, constant tabs on the latest updates in stainless steel technology are some of the features of the company.

**Suman Steel Industries**
Plot No. 118/B, B/h National Cloth & Printing Works, Behrampura, Ahmedabad-380022, Gujarat, India.
Phone No.+91-79-6546 6545
E-mail : info@sumansteelpipes.com,
sumansteel04@gmail.com
Website : www.sumansteelpipes.com

**NEW MEMBER**

**Suncity Strips and Pipes & Tubes Pvt Ltd.**

Suncity Strips and Pipes & Tubes Pvt Limited, promoted by renowned and reputed Jodhpur based industrial group “The Suncity Group” is a new company incorporated on 04th of September, 2009 and is registered as a MSI Unit in the District Industries Centre, Jodhpur.

SSTPL has set-up the industrial undertaking at Boranada, phase-iv, Jodhpur manufacturing stainless steel coils, circles, tubes and pipes with an installed capacity of 30,000 mtpa. The tube mill is well equipped with latest on line tube finishing equipment as per international standards and industrial requirement.

It is because of the team work at Suncity which has made it possible to be able to remove the minimum order quantity obligation & accept & execute the material in time.

The quest for excellence at Suncity is not just a process, but a way of life. A determination to move up the value chain in process, products and performance has resulted in Suncity being acknowledged for its excellence.

**Suncity Strips & Tubes Pvt Ltd.**
Plot No 27a/66- 68, 1st Floor,
Adarsh Society, New ITI Circle, Jodhpur
Mobile No.: +91-9571556611
Email: info@suncitytubes.com
Phone: +91-2931-281378,79
Fax: +91-2931-281478
Introducing first time in India Stainless steel hollow sections with dimensions for SHS upto 400 mm X 400 mm, RHS upto 500 mm X 300 mm with thickness upto 15 mm.

Welded Square Hollow Sections/Tubes
Size: 12 x 12 mm to 150 x 150 mm
Thickness: 1.0 mm to 6.5 mm

Welded Rectangular Hollow Sections/Tubes
Size: 20 x 10 mm to 200 x 150 mm
Thickness: 1.0 mm to 6.5 mm

Raaj Profiles
Size: For "L" Profiles 50 mm x 50 mm to 200 mm x 200 mm
For "U" Profiles 50 mm x 80 mm to 110 mm x 280 mm x 110 mm
Thickness: 3.0 mm to 15.0 mm

Press Brake Tubes
Size: Square 100 x 100 mm to 400 x 400 mm & Rectangular 100 x 150 mm to 500 x 300 mm
Thickness: 3.0 mm to 15.0 mm

A Group with International Reputation for its Quality Manufacturing of Stainless Steel Hollow Sections in Compliance with International Standards.

- **ACHIEVEMENTS**
  - Exporting to 17 countries across the globe.

- **TECHNOLOGY**
  - TIG-PLASMA—TIG welding technology for precision.
  - State-of-the-art manufacturing facilities with advanced technology tube mills, online polishing machines and belt polishing machines.
  - The company has installed the 'Direct Cage Forming Mill' which is first-of-its-kind capacity in Asia, to manufacture Stainless Steel Hollow Sections/Tubes.

- **AREA OF APPLICATION**

- **Annual production capacity of 6000 MT.**

- **Raajratna Group has annual turnover of USD 200 million.**

- **We deal in Austenitic, Ferritic, Duplex and Lean Duplex materials and also manufacture welded tubes of special grades on demand.**

**Raajratna Ventures Ltd.**
401, Elenza Vertex, Opp. Zainobiya Sindhuvahan Road, Ahmedabad. 380 059
Gujarat, INDIA
Phone no: +91-79-2970 3251 / 3252 / 3253 / 3254
Cell : +91-9909947438
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The year 2017 has been another fulfilling year for Indian Stainless Steel Industry. While the exact data is awaited, it looks that growth momentum was maintained to further consolidate India’s position as second largest Stainless Steel market in the world.

The Government responded positively to curb unfair trade practices from few countries, which helped to improve the sentiments. The challenges of import threat, however, still remains and we have to be vigilant on the issue, particularly imports shifting to downstream SS Products or rules of origin being violated to divert material through third countries.

There were many positive development in the Indian market. Railways stepped up the pace of replacing old mild steel coaches by LHB stainless steel coaches. Metro rail projects in different cities picked up momentum. Smart city projects really took off. The General Financial Rules 2017 of Ministry of Finance have incorporated the principle of Life Cycle Cost for Government Projects, where stainless steel can score very high. Government has taken policy initiative to give preference to domestic steel in public projects. Indian Standard for Stainless Steel rebars was published during the year.

We are committed to continue our efforts for developing new Stainless Steel applications and some of ISSDA’s efforts have been given in this publication. We invite our members and stakeholders to work with us for providing sustainable stainless steel based solutions for our growing economy.

nissda@gmail.com