

STAINLESS INDIA

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**Indian Stainless Steel
Development Association**

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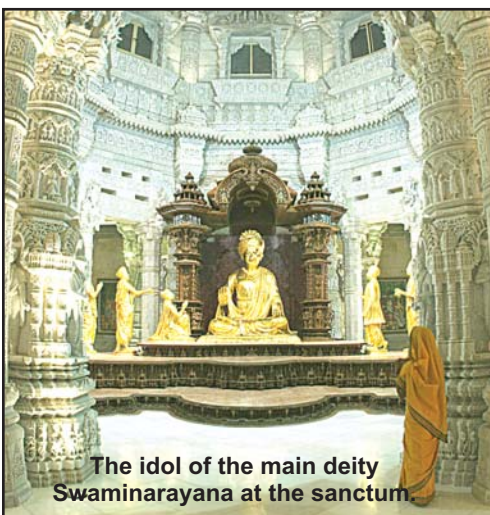
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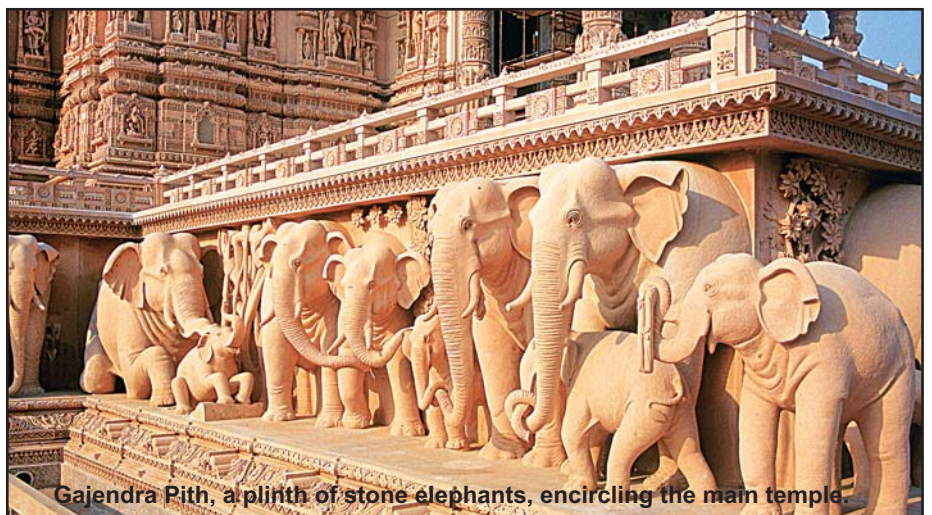
Akshardham Temple in Delhi



The Akshardham monument.



**The idol of the main deity
Swaminarayana at the sanctum.**



Gajendra Pith, a plinth of stone elephants, encircling the main temple.

The newly built Swaminarayan Akshardham temple is located in a sprawling 30-acre site on the banks of the river Yamuna in New Delhi. This temple epitomises 10,000 years of Indian culture in all its breathtaking grandeur, beauty, wisdom and bliss. It brilliantly showcases the essence of India's ancient architecture, traditions and timeless spiritual messages. The grand, ancient-styled

Swaminarayan Akshardham complex was built in only five years through the blessings of HDH Pramukh Swami Maharaj of the Bochasanwasi Shri Akshar Purushottam Swaminarayan Sanstha (BAPS) and the colossal devotional efforts of 11,000 artisans and BAPS volunteers. The complex was inaugurated in November 2005.

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2



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What to see

- ◆ Universal values for mankind presented through audio-animatronics and light and sound diorama presentations from the life of Bhagwan Swaminarayan vividly portrays the 11-year-old child-yogi's epic pilgrimage of India.
- ◆ A 12-minute fascinating boat-ride experience of 10,000 years of India's glorious heritage. Learn about the discoveries and inventions of the ascetic-scientists of India, see the world's first university of Takshashila and sail through the caves of Ajanta-Ellora.
- ◆ An intriguing combination of a large stone step-well and a *Vedic yagna kund* (sacrificial fire compound) with a colorful musical fountain that echoes religious sentiments and prayers.
- ◆ Sixty acres of lush lawns, gardens and exquisite bronze statues of India's child gems, valorous warriors, national figures and great women personalities, inspire visitors with values and national pride.
- ◆ The *Yogi Hraday Kamal*, the ingenious lotus shaped sunken garden when viewed from above, features large stones engraved with quotes from world luminaries ranging from Shakespeare and Martin Luther King to Swami Vivekananda and Swaminarayan Himself.

1. Queue barricades for the boat-ride.
2. Kitchen ceiling.
3. One of the many intricately carved pillars.

>> *Contd. from page 1*

Akshardham means the eternal, divine abode of the supreme God, the abode of eternal values and virtues of *Akshar* as defined in the holy scriptures like *Vedas and Upanishads* where divine *bhakti* (devotion), purity and peace forever pervades.

The main building at the centre of the complex houses an 11ft high, gilded image of Swaminarayan, a 17th century reformer whose followers believe him to be an incarnation of God. The building is built in Rajasthani pink sandstone and Italian Carrara marble. At 141ft high, its impressive presence is felt from afar, and its numerous intricate carved details of flora, fauna, dancers, musicians and Gods covering its surfaces from top to bottom, leave visitors in awe. The beautiful monument built without steel, consists of 234 ornately carved pillars, 9 ornate domes, 20 quadrangled *shikhars* (pinnacles), a spectacular *Gajendra Pith* (plinth of stone elephants) and 20,000 *murtis* (idols) and statues of India's great *sadhus* (holy men), devotees, *acharyas* (teachers) and divine personalities.

Akshardham Delhi is one of the biggest hand carved structure of recent times in the world today. It has become a major tourist

attraction with the foreign tourists who prefer to visit this temple first. It takes five hours to cursorily glance at the magnificent temple.

There is absolutely no steel used in the basic construction of the monument, which is done as per *Vastu Shastra*. However, this temple has used a lot of stainless steel for railings for: the main monument, steps, lines for people and the IMAX theatre (approximately 5,000 running feet); kitchen equipment; ceiling in the main kitchen (approximately 2,500 square feet); grating (approximately 1,500 running feet); corner guards to prevent the tiles from chipping off; notice boards; tables and stools in the restaurant; special purpose trollies and at some other places which are not visible. According to one of the fabricators, Mr Pankaj of M/s Simple Enterprises, New Delhi, his company alone has used about 30 tonnes of stainless steel in the temple.

Contact details of the stainless steel fabricator:

SIMPLE ENTERPRISES, 6604 / 2, Nabi Karim, Pahar Ganj, New Delhi 110 055; Tel: 011-2351 8520, 98105 38907
Fax: 011-2361 5450; E-mail: info@simple.co.in
Web: www.simple.co.in

ABC workshops

ISSDA along with the Nickel Institute (NI) will be organizing a series of four one-day workshops this year on the applications of stainless steel for the architecture, building & construction (ABC) sector. Ms Catherine Houska, Consultant to NI, will be making presentations in these workshops. The workshops are open to architects, builders, interior designers, engineers, civic authorities, urban planners, infrastructure personnel from airports, highways, sea ports, railways and other facilities and stainless steel industry personnel. Participation will be only by invitation.

Delhi	Nov. 28, 2006	- Auditorium, India International Centre, Lodhi Estate.
Mumbai	Nov. 29, 2006	- Salcette I & II, Taj Lands End, Bandstand, Bandra.
Hyderabad	Dec. 1, 2006	- Kohinoor I, Taj Residency, Banjara Hills.
Bangalore	Dec. 2, 2006	- Convention Hall, Grand Ashok, Kumara Krupa.

There is no fee for attending the workshops. Any one interested in these workshops, please contact us with your professional background. An invitation will be sent to you which needs to be presented at the workshop registration counter.

ISSDA: Email: nissda@gmail.com, nidissda@del3.vsnl.net.in; Fax: 011-2686 3376

Ms Catherine Houska is the Senior Development Manager of TMR Stainless in Pittsburgh, Pennsylvania. She holds a BS in Metallurgical Engineering & Materials Science from Carnegie Mellon University and an MBA in industrial and international marketing from the Weatherhead School of Management, Case Western Reserve University. Ms. Houska has over twenty-five years of experience. She is an internationally recognized expert on architectural metals. Ms Houska is the author of over seventy-five articles, papers, and technical brochures, and regularly contributes to leading industry publications and speaks at national and international conferences. She recently chaired the first international conference on stainless steel architecture.



Ms Catherine Houska
Consultant to NI

Ms Houska regularly provides architects, building owners, contractors, and fabricators with consulting assistance on new projects and existing buildings which are experiencing problems. She has worked on numerous significant stainless steel architecture and construction projects throughout the world. As an architectural consultant for numerous industry associations like the Nickel Institute (NI), International Molybdenum Association (IMO), and Specialty Steel Industry of North America (SSINA), she has provided technical assistance and given workshops to thousands of industry decision makers in North, Central and South America, Asia, Australia, New Zealand, and Europe.

Programme for all four venues

08:30 – 09:00 hrs	Registration
09:00 – 09:15 hrs	Introduction
09:15 – 10:30 hrs	Stainless Steel – Sustainability, Selection, Design Basics and Maintenance
10:30 – 10:45 hrs	Tea/coffee break
10:45 – 13:00 hrs	Stainless Steel – Finishes, Fabrication, Interior applications
13:00 – 14:00 hrs	Lunch
13:30 – 14:00 hrs	Video Presentation – Dublin Spire
14:00 – 16:00 hrs	Stainless Steel – Building Exteriors, Roofing, Structural Applications and Street Furniture
16:00 hrs	Tea/coffee and final questions

Now relax in style at railway stations



Passengers at the Bangalore City railway station are enjoying their waiting! Thanks to the shining and comfortable stainless steel seats, fabricated by M/s Velaar Engineering Works Pvt Ltd, Bangalore, their waiting is made easier.

About 30 sets of 4-seater stainless steel seats have been installed. The seats are in honey comb finish and are perforated at the sitting area to facilitate air circulation. Each of the 4-seater uses about 35 kg of stainless steel. The material has been supplied by M/s Salem Steel Plant, SAIL.

Information and photographs courtesy: VELAAR ENGINEERING WORKS PVT LTD, New 63 (Old 49 / 1), K H Road (Double Road), Bangalore 560 027; Tel: 080-411 42 444 / 555; Fax: 080-411 42 666; E-mail: stainlesstyle@sify.com.

Stainless steel gas storage cylinders hold much more and easier to handle

Stainless steel DURA-CYL Liquid Gas Cylinders are an innovative way of using gas for oxy-cutting, argon welding, lancing, nitrogen purging and shrink fittings applications by low pressure gas stored at cryogenic temperature. One DURA – cylinder has a capacity of almost 20 Nos. of high pressure carbon steel cylinders thereby allowing less handling, less space requirement, less residual gas losses besides offering much lighter weight and cryogenic grade high purity of the product.

Information and photograph courtesy:
Mr S K Mirchandani, Marketing Executive,
SHELL-N-TUBE (P) LTD, 3 Gulmohar Orchids,
29 / 37, Sahney Sujan Park, Lulla Nagar,
Pune 411 040; Tel: 020-2683 4425, 0-98228 82938
Fax: 020-2683 1025; Web: www.shell-n-tube.com
E-mail: service@shell-n-tube.com.



Sculptures and murals in stainless steel

Mr Yusuf Arakkal is a Bangalore based internationally acclaimed artist. Primarily a painter he, is engaged in creating site-specific large sculptures, installations and murals. His creative involvement in artistic pursuits goes back to the sixties. He has held 40 solo shows in many cities in India and abroad. His creations are in a wide variety of materials including stainless steel. Mr. Arakkal has received many awards and recognitions, including the National Award 1983 and Varnashilpi Venkatappa Award (the highest award given by the Government of Karnataka for art) in 2005 and bagged the gold medal at the prestigious Florence International Biennale in 2005. Featured here are some of his works in stainless steel at Bangalore.

The central theme behind the 6.7 metre high MG Road sculpture (near Koshi's restaurant) stemmed from the concept of DNA helix. This was combined with the concept of wheel, as the most important invention in human history. Approximate SS tonnage – 900 kg.

The sculpture (6 metre) and the coloured mural (5.1 x 9.1 m) at M/s Biocon India Ltd, Hebbagodi, was conceived as a work of art to depict in an aesthetic fashion the great importance of biotechnology in human life today. Approximate SS tonnage of sculpture – 1.8 tonnes; mural – 1 tonne. Mr Joseph Antony, a fabricator, has helped Mr Arakkal in converting the designs into the final form.

Information and photographs courtesy: Mr Yusuf Arakkal, 663, 1st Main, 'C' Block, A.E.C.S. Layout, Brookefields, Bangalore 560 037; Tel: 080-2847 5340; Fax: 080-2847 5307
E-mail: arakkal@hathway.com, arakkal@vsnl.com
Web: www.yarakkal.com

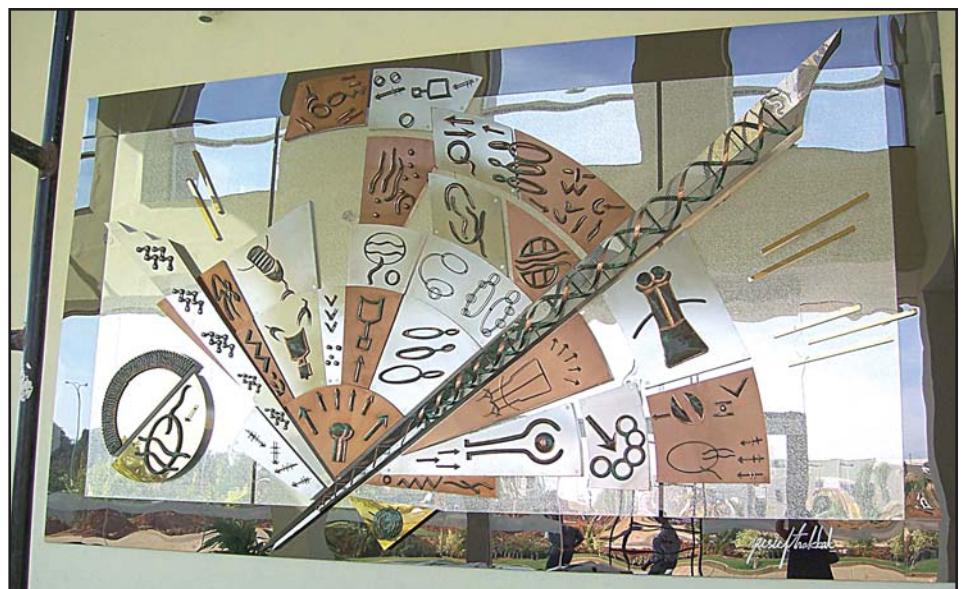
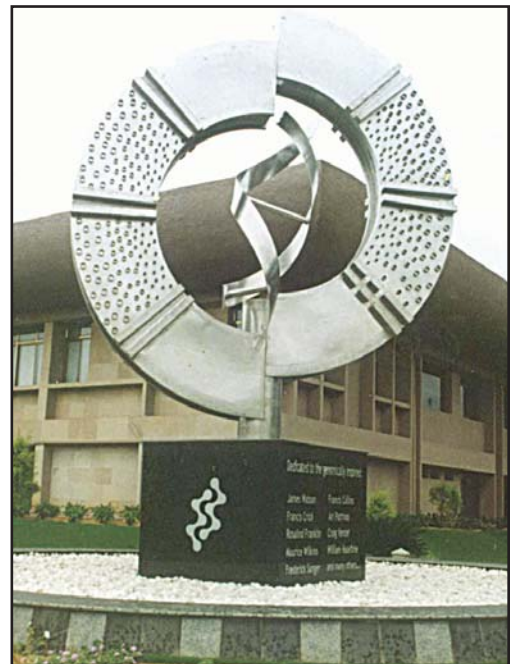
Contact details of the fabricator: Mr Joseph Antony, #30, 1st Main, BEML Layout, Duberahalli, RG Halli Post, Bangalore 560 066; Tel: 080-3296 9134, 0-93412 33619.



The sculpture at MG Road

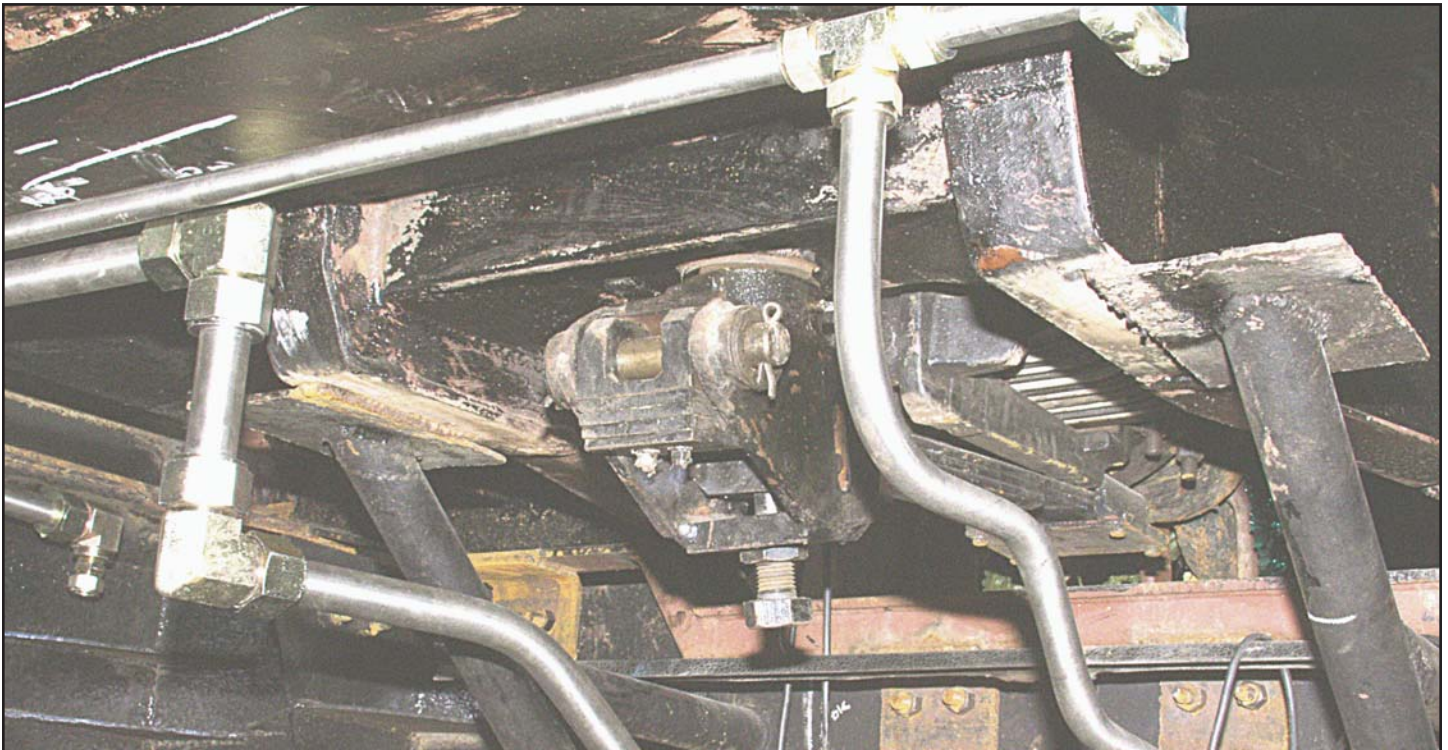


Above: Yusuf Arakkal;
Right top and bottom:
The sculpture and the
mural at Biocon India.



Mumbai's suburban trains shine with stainless steel interiors

Mumbai's MRVC suburban trains will be tastefully furnished inside with stainless steel interiors. M/s Integral Coach Factory (ICF), Chennai, a production unit of the Indian railways, has rolled out a prototype of the coach. Approximately two tonnes of stainless steel is being used per coach. Stainless steel has been used for the pipes and double ferrule-type fittings (for brakes), roof panellings, seat frames, handholds, luggage racks, fans, partitions, grab poles at the doorway, protective wire screens for windows, rain water gutters. *Information and photograph courtesy: INTEGRAL COACH FACTORY, Perambur, Chennai 600 038.*



The above photograph shows a part of the hydraulic braking systems in stainless steel type 304. The Indian Railways plan to fit all suburban and mainline coaches with such stainless steel braking systems. ICF is looking for additional vendors to supply double ferrule-type fittings.

Please contact the Chief Design Engineer, ICF, Chennai; Tel: 044-2626 1872; Email: cdem@icf.railnet.gov.in.

Standardization of 200-series grades for kitchenware

A sub-committee meeting to develop an Indian standard for low-nickel stainless steel for kitchenware was held at ISSDA office on September 1, 2006.

Mr N C Mathur, President-ISSDA; Mr Ramesh R. Gopal, Convenor of the Sub Committee; Mr J K Bakhroo, Director & Member Secretary of MTD 16, Bureau of Indian Standards (BIS); and member company representatives viz. Dr L K Singhal, Director & Head (R & D), Jindal Stainless Ltd, Hisar; Mr S K Samanta, AGM, Alloy Steels Plant-SAIL, Durgapur; Mr S Sisodia, AGM I/c (Met. Services), Salem Steel Plant-SAIL, Salem; Dr S K Ray, DGM & I/c (Casting), Research & Development Centre for Iron & Steel-SAIL, Ranchi; Mr Prakash Narain, Consultant, NOIDA; and Mr K R Ananthanarayanan, Consultant, Bangalore,

were present at the meeting.

The subcommittee, after deliberation, recommended the following three grades of low nickel stainless steel.

The subcommittee also, recommended that corrosion and leaching test on food media should be done at **CFTRI, Mysore** and chemical and mechanical testing to be done at **National Test House, Ghaziabad or NML, Jamshedpur**. The subcommittee further recommended that ISSDA would coordinate the testing. During the meeting it was agreed that in order to carry out the tests, samples of grades 1 and 2 would be supplied by Salem Steel Plant-SAIL, Salem, and that of grade 3 would be supplied by Jindal Stainless Ltd, Hisar. It is hoped that the standard would be ready by mid-2007.

Grade	C	Mn	Cr	Ni	Si	P	S	N	Cu	YS 0.2% offset		% Elongation GL=50 mm (Min)
										Min	Mpa	
1	0.12 max	8.5- 10.5	15.0 16.5	1.0- 2.0	0.75 max	0.08 max	0.03 max	0.20 max	1.5- 2.5	345	650	40
2	0.09 max	6.0- 8.0	16.0- 18.0	4.0- 6.0	0.75 max	0.06 max	0.03 max	0.15 max	1.5- 2.5	275	600	40
3	0.10 max	6.5- 9.0	16.0 17.5	1.5- 3.5	1.0 max	0.06 max	0.03 max	0.10- 0.25	2.0- 4.0	310	650	40

STAINLESS STEEL PIPE/ TUBE WORKING TOOLS



SS Pipe & Tube Cutting Machines

GBC, Italy Orbital SS Pipe Cutters
Burr-Free right- angle cold cut.
Simultaneous cutting & Beveling with special cutters. Capacity: \varnothing 1/4"-12"



REMS
Cento Pipe Cutting Machine
Fast Right Angle Dry Cutting of Copper & SS Pipe. No outer burr. Capacity: \varnothing 22-108mm



New

REMS
SS tube benders,
Wrinkle free bending
of SS tubes as per DIN 2463, \varnothing 12-28mm



European Leader

REMS
Germany
SS Pipe Press Fitting Tools

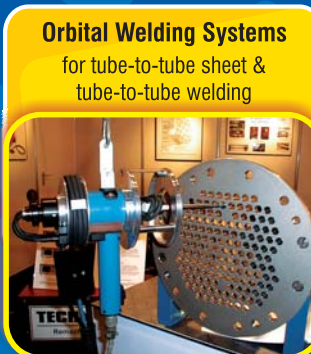


REMS
Tube Deburrers



REMS
SS Tube Cutters
Range: \varnothing 3mm-120mm

International Design Award



Orbital Welding Systems
for tube-to-tube sheet & tube-to-tube welding



SS Tube & Pipe
End Squaring & Beveling Machines



PIONEER INTERTRADE

301-303, "A" Wing, Durian Estate, Goregaon - Mulund Link Road, Goregaon (East), Mumbai-400 063.
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Welcoming New Members

Soni Ispat Ltd

Soni Ispat Ltd (SIL) is a rapidly growing company in the steel sector. SIL is a part of the flagship company **Metalman Group** which is a three decade-old business group. The group has over 600 employees and has an annual turnover of over USD One hundred and twenty five million.

SIL is a semi integrated plant carrying the activities of melting, continuous slab Casting and plate rolling in special grades of steel like stainless steel, alloy steel and mild steel. The company's manufacturing facility is located at Pithampur, near Indore in Madhya Pradesh.

Soni Ispat has an installed capacity of melting and rolling over 0.2 million metric tons per annum. The company's range of products includes stainless steel, alloy steel and mild steel slabs and plates in customized dimensions. The company follows the induction furnace-> AOD-> LRF-> continuous slab caster route for manufacturing stainless steel and alloy steel slabs.

The company has installed state of the art steel refining equipment such as AOD converter and a Ladle Refining Furnace to adhere to the most stringent quality requirements. In compliance of its corporate social responsibility program, the company has established a Fume Extraction System complex to keep the emissions well below environmental requirements.

The company's products (see box) are exported worldwide.



SS grades	AISI 301, 303, 304, 304L, 310, 316, 316L, 321, 201, 204
Alloy steel grades	EN 18, EN 19, C-45, C-55
MS grades	IS 2062 (A/B), A36, ST-52, ST-54, Sailma 350
Width	Upto 1500 mm
Length	6 to 8 metres
Cut	Mill cut / Plasma cut
Thickness	
Slabs	160 mm
Plates	6 to 120 mm

SONI ISPAT LIMITED, "Janak" 11 New Palasia, Second Floor, Indore 452 001; Madhya Pradesh; Tel: 0731-424 0100 – 09; Fax: 0731-407 7777

E-mail: contact@soniispat.com, ranjan.chhibba@soniispat.com

Web: www.soniispat.com

Rajlaxmi Industries

The Rajlaxmi Group was established in the year 1992 at JODHPUR (India), with prime focus on providing quality stainless steel house wares. At Rajlaxmi, products are designed and constructed with full understanding of the product's use; their design process draws on lots of experience in providing kitchenware that are both durable and elegant.

The company fabricates stainless steel utensils, house ware items, bar accessories, office ware items, bathroom accessories and sales promotional products. The annual production is 4,000 MT and main markets include India and the developed countries.

'Rajlaxmi' and 'Rajat' are highly reputed brands in India with an impressive image in the domestic market. It is the trust mark of the quality products being delivered to consumers. It is among a handful companies to achieve brand recognition. The brand incorporates the strength of quality products, right pricing, easy

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availability and ability to service exactly what the customer wants which makes Rajlaxmi the brand choice and a market leader.

The company is a vertically integrated organization, manufacturing right from the raw material stage to marketing of the finished products. Thus they are able to assure premium quality, superior services, on-schedule delivery and economics that lead to competitive pricing. All these factors combine to give us a competitive edge.

Rajlaxmi has the following facilities for fabricating its products: circle cutting, blanking, presses for deep drawing, hydraulic presses, in-house tool room, welding machines, grinding machines, bar bending and rolling, spinning, trimming, finishing and other small-end ancillary machines.

The aim of the utensils and cookware manufactured by "Rajlaxmi" is not only to just manufacture but also to earn clients' goodwill

and total satisfaction through utensils which are manufactured by the highly skilled technicians.

Rajlaxmi has carved its niche in value added superior stainless steel utensil products. It also has ISO 9001: 2000 accreditation. The company's team takes pride in ensuring quality products, strict adherence to customers' specifications, prompt communication and maintaining despatch schedule.

Rajlaxmi believes in constantly improving the standards of excellence and providing better quality products and services to our clients. According to the company, definition of perfection for them is fine blend of quality, innovation and technology. Their team of professionals for stringent quality control takes care of all the three factors to ensure absolutely flawless production.

RAJLAXMI INDUSTRIES, E-93, M.I.A., 2nd Phase, Basni, Jodhpur 342 005, Rajasthan; Tel: 0291-274 1452, 263 4941
Fax: 0291-274 4452; Email: info@rajlaxmisteels.com
Web: www.rajlaxmisteels.com

Valgro India Ltd

VALGRO ENGINEERS PRIVATE LIMITED (Abrasive division) of Valgro India Limited is a manufacturer of speciality flexible abrasive tools for stainless steel surface finishing under the brand name of "Valgro-Fynex", and has earned very high reputation as Asia's high quality abrasive producer for metal surface preparation.

Be it for general-purpose grinding, surface finishing or specific job application, Valgro India is committed and equipped to deliver high performance, cost-effective & environment friendly abrasive products. Since 1996, the year when Valgro Engineers Pvt Ltd was established at Ahmedabad, the company is dedicated to maintain high level of quality in organization, business relation and committed to supply high productivity abrasives that help to get better products.

The company has developed a "stainless steel finishing kit with multifunctional liner grinder- HYZER-VIL-300" which is very popular and user friendly. This machine will provide a unique solution for all applications to the customer's satisfaction.

Valgro is manufacturing wide range of flat surface finishing brush with different type of grit like: for coarser hairline or



broken finish, Valgro Kombi wheels with grit of 60, 80, and 120 with coarser grade of non-woven Valgro material; for smooth hairline finishing with 150, 180 and 220 grit, the company offers finer grade of Valgro non-woven material; for smooth and satin finish used for aesthetic purposes the company offers Valgro Plain non-woven wheels for the final touch. Valgro has also developed special brush for No.4 finish wheels on direct 2B finish sheet.

The company's office in Ahmedabad maintains a good product showcase and has live demonstration facility. Twice a year a technical seminar is organized by the company intended to cover the world-wide trends and developments in the field along with technical guidance.

The company claims to always seek to develop new applications and offer performance-based solutions. The commitment to reducing finishing costs is reflected in the quality and performance of all Valgro products. The company is confident that the quality products and services offered by them will provide cost-effective solutions for surface finishing, de-burring and cleaning needs of metal-working industries. In special cases, Valgro also provides technical assistance / guidelines to its customers for new applications and product development.

VALGRO INDIA LTD, 318 Sarvoday Commercial Centre, Relief Road, Near GPO., Ahmedabad 380 001; Telefax: 079-2550 9181 / 5313, 3022 5313;
Email: arvindpatel@valgroabrasives.com; Web: www.valgroabrasives.com.

Valli Steel Industries Pvt Ltd

Valli Steel Industries Pvt Ltd, an ISO 9001-2000 certified company, is engaged in the manufacture and supply of stainless steel kitchen sinks marketed under the brand name as "PRINCE". Despite a modest start, way back in the year 1972 the group today has

established itself as a leading business corporate to be reckoned with under the dynamic and able stewardship of their Managing Director Mr C Nepalraj.

With a clear vision to promote the organization as a global player, the Managing Director along with the dedicated and skilled team

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of personnel has successfully generated a quality brand image for their products.

The unit is equipped with advanced machine tools and sophisticated inspection equipment to produce the products to international quality standards. Total transparency in dealings with strict quality consciousness has assisted the company in securing respective orders in both domestic and international markets.

VSIPL is contributing to country's export growth through increase in exports every year and earned the following recognitions.

1. Certificate of Export Excellence EEPC Regional Award 2002-03.
2. Certificate of Export Excellence EEPC Regional Award 2003-04.
3. Trophy for Star Performer Award EEPC All India Award 2004-05.

According to the company, no matter how many awards the company receives, it always strives to work hard towards quality improvement. The management's commitment to quality and customer satisfaction has earned the company a quality image, which opens new avenues to increase market shares. Today VSIPL is one of the leading stainless steel kitchen sink suppliers, catering to the requirements of different market segments comprising of people with varying tastes in India and abroad. According to the company, the success team of the company always believes that "Successful people give Results and Unsuccessful people give Reasons."

VALLI STEEL INDUSTRIES PVT LTD, 158, 2nd floor, Balamore Road, Nagercoil 629 001, Distt Kanyakumari, Tamil Nadu; Tel: 04652-231 084 Fax: 04652-231 842 Email: princesink@yahoo.co.in Web: www.princesink.com

Ruby Steel

Ruby Steel is a major fabricator of stainless steel 304 / 316 grades since 1980. The company specializes in fabricating stainless steel architectural products.

The company specializes in fabricating stainless steel railings, balustrades, column cladding, chairs & tables, grills, fountain & water curtain works, garment racks & display systems, name plates & signages, handles, glazing brackets. It also undertakes stainless steel sheet fabrication jobs.

All the products are fabricated as per



Mr C Nepalraj (second from right), receiving the EEPC All India Award for Export Excellence "Star Performer 2004-05" from Mr Kamal Nath (third from left), Hon'ble Union Minister for Commerce & Industry, Govt. of India.

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Would you like to feature your stainless steel products / services in STAINLESS INDIA? Send us your write-up along with attractive colour images.

architects' design. Some of the major clients of Ruby Steel include M/s Kalpataru Construction Overseas Pvt Ltd and K Raheja Universal Pvt Ltd.

RUBY STEEL, 183, Kika Street, Gulalwadi, Mumbai 400 004; Tel: 022-6636 2274, 0-93203 20833 (Mr Rakesh Jain); Fax: 022-2242 3379; Email: rubysteel@vsnl.net

One of the seven stainless steel 316 grade artistic pillars for Geeta Mandir in Washington. The pillars are of 7 feet high and 12 inch dia. Approximately 108 kg of stainless steel was used for each pillar.



V S Jain joins JSL as MD & CEO



Mr V S Jain has joined Jindal Stainless Limited as Managing Director & CEO. He will be overall responsible for the growth and development of Jindal Stainless and its associate companies. Mr V S Jain has recently retired as Chairman of Steel Authority of India Limited (SAIL). Prior to

becoming Chairman in October 2002, he served SAIL as Director (Finance) from the year 1994. Before joining SAIL, he served Indian Oil Corporation as Director (Finance) which he joined in the year 1969.

Jindal Power Gateway - Corrigendum

STAINLESS INDIA is sorry that the name of the structural designers of the complex structure at Raigarh, featured in the June 2006 issue of the magazine, was inadvertently left out. M/s S D Engineering Consultants, New Delhi, are the ones who innovatively carried out the analysis, structural design and the innumerable tricky junction details of this complex structure.



Their contact details are:

Ms Sangeeta Wij, SD ENGINEERING CONSULTANTS, 11 / 15, Ramraj Arcade, East Patel Nagar, New Delhi 110 008; Tel: 011-4248 1601 / 1602, 98117 76210; Email: sangeeta@sdclonline.com.

ISSDA Members

for contact details of members, please visit www.stainlessindia.org

PRIMARY MEMBERS

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Ambica Steels Ltd
Chandan Steel Ltd
Facor Steels Ltd
Haryana Steel & Alloys Ltd
Isibars Ltd
Jindal Stainless Ltd
Modern Steels Ltd
Mukand Ltd
Panchmahal Steel Ltd
Rimjhim Ispat Ltd
Shah Alloys Ltd
Shyam Ferro Alloys Ltd
Soni Ispat Ltd
Stainless India Ltd
Steel Authority of India Ltd
(Alloy Steels Plant + Salem Steel Plant)
Sunflag Iron & Steel Co Ltd
Twenty First Century Wire Rods Ltd
Viraj Alloys Ltd

ASSOCIATE MEMBERS

Aditya Forge Ltd
Ador Welding Ltd
Ampi Agencies Pvt Ltd
Apex Tubes Pvt Ltd
Arcelor Stainless India Pvt Ltd
Architectural Division – JSL
Arm Innovations
Artech Welders Pvt Ltd
Autonix Auto Industries Pvt Ltd
Bansal Wire Industries Ltd
Battiwala Process Engineering
BHP Billiton
Bhandari Foils & Tubes Pvt Ltd
Bhansali Bright Bars Pvt Ltd
Bharat Earth Movers Ltd
Bhiwadi Metal Rollwell Pvt Ltd
British Super Alloys Ltd
Bizcon Business Consultants (I)
Cavalier, The
Choksi Tube Co Ltd
Connect Architectural Products Pvt Ltd
Continental Exports

Corus International (India) Pvt Ltd
Crystal Interior Products
Esab India Ltd
Flexi Film Wraps (India) Ltd
Flow Link Systems (P) Ltd
Garg Sales Co Pvt Ltd
Glencore India Pvt Ltd
Heavy Metal & Tubes Ltd
Hercules Marketing Pvt Ltd
Hindustan Hydraulics Pvt Ltd
Hisar Metal Industries Ltd
Inco Europe Ltd
Integral Coach Factory, Chennai
IUP Jindal Metals & Alloys Ltd
Jain Brothers Sanitation Pvt Ltd
Jyoti (I) Metal Inds. Pvt Ltd
Kamdhenu Ispat Ltd
Kapasi Inc.
Kaushal Engineers
KEI Industries Ltd
Kich Marketing Pvt Ltd
Kirtanlal & Sons
Kongu Enginears
Krishna Industries
Kuma Stainless Tubes Ltd
Kundan Industries Ltd
LPS Bossard Pvt Ltd
M N Dastur & Co
Macro Bars & Wires (I) Pvt Ltd
Magppie Exports
Manashi Interiors
Merloni TermoSanitari (I) Ltd
Metal & Steel (India)
Metallic Bellows (I) Pvt Ltd
Metco Marketing (I) Pvt Ltd
Modi Arc Electrodes Co
Nav Ratna Fasteners
Neel Metal Products Ltd
New Era Industries
Nevatia Steel & Alloys Ltd
Nuclear Fuel Complex
Pheonix Appliances Pvt Ltd
Prakash Steelage Ltd
Quality Foils (I) Ltd
Raajratna Metal Industries Ltd

Rahul Industries
Rajlaxmi Industries
Rajendra Mechanical Inds. Ltd
Rail Coach Factory, Kapurthala
Rampra Steel Industries Pvt Ltd
Ratnamani Metals & Tubes Ltd
Ratnesh Metal Industries Pvt Ltd
Real Strips Ltd
Ruby Steel
SKM Steels Ltd
Sahu Refrigeration Inds. Ltd
Sameer Linkages (Exports) Pvt Ltd
Sandvik Asia Ltd
Sharp Engineers
Shekasa Engineering Co Pvt Ltd
Simple Enterprises
Sreevatsa Stainless Steel Fabricators (P) Ltd
SteelRX Corporation Pvt Ltd
Stallion Systems Pvt Ltd
Sudhir Automotive Industries Pvt Ltd
Suhner India Pvt Ltd
Suraj Stainless Ltd
Surface Innovators Pvt Ltd
Tata Steel Ltd – FAMD
Tata Steel Ltd – Retail Initiatives Divn.
Tata Steel Ltd – Wire Divn.
Tayal Furniture
Trust Impexs
Universal Engineers
Valgro India Ltd
Valli Steel Industries Pvt Ltd
Velar Engineering Works
Venus Home Appliances (P) Ltd
Venus Wire Industries Ltd
Vishal Gas Services
Vishal Tubes & Pipes Pvt Ltd
Wire & Wire Products

ASSOCIATION MEMBERS

Indian Ferro Alloy Producers' Association
Institute for Steel Development & Growth
Metal Research Centre
Nickel Institute
Stainless Steel Rerollers Association