



THE INSTITUTE OF INDIAN FOUNDRYMEN

Issue No. **261**
13.02.2018



IIF FOUNDRY NEWS BULLETIN



Mission – Zero Defect



Web-link to 67th IFC Promo Video:
<https://www.youtube.com/watch?v=PHDwI2u2tTM>
Official Website: <http://www.ifcindia.net/>

Bulletin Supported By:-



<http://www.foracepolymers.net/>



<http://www.ehp.de>



<http://www.gargi-india.com/>



<http://www.disagroup.com>



<http://inductothermindia.com>



www.metalpower.net



<http://www.porwalauto.com/>



<https://www.thermofisher.com>



<http://www.vivegha.com/>



<http://www.kiswok.com/>

Plant visit to M/s. Rockman Industries Ltd., Bawal, Haryana on 5th March, 2018

IIF is organising plant visit to M/s. Rockman Industries Ltd., Bawal, Haryana on **5th March, 2018 (Monday)** for our members. We have already received permission for the plant visit from Rockman Industries Ltd.

Rockman Industries Ltd. is leader in Aluminium castings manufactured by GDC, PDC & HPDC process. Rockman is industry leader in two wheeler alloy wheels with installed capacity of 5.6 million wheels annually. Apart from 2 wheeler alloy wheels, they are into manufacturing of cylinder head, cylinder block, crank case, crank case covers, oil pan, transmission housing, etc.

This plant visit will provide unique opportunity to IIF members to get exposure to the best practices being followed by such leading foundry unit.

Participation Fee: Rs. 1000/- (including GST)

A nominal fee is being charged to cover administrative & misc expenses towards organizing the plant visit.

Permission has been received for maximum 15 visitors solely at the discretion of Rockman Industries. Hence, registration shall be done on *First-Come-First-served* basis.

Since there are limited seats, members are requested to confirm their participation through email at fic@indianfoundry.org asap but positively by **19th Feb., 2018**.

Revision in Classification Criteria for Definition of MSMEs

IIF has been pursuing with Ministry of MSME & also through Foundry Development Council for long for revising the limits for the purpose of definition of MSMEs which were introduced in 2006 as these were very old & have become redundant

The Union cabinet has now decided to change the definition of MSME s based on Turnover criteria instead on investment limits as per

earlier criteria & withdraw the MSME Amendment Bill 2015 pending in Lok Sabha

Additionally, the Central Government may, by notification, vary turnover limits, which shall not exceed thrice the limits specified in Section 7 of the MSMED Act.

Section 7 of the Micro, Small and Medium Enterprises Development (MSMED) Act, 2006 will accordingly be amended to define units producing goods and rendering services in terms of annual turnover as follows:

A micro enterprise will be defined as a unit where the annual turnover does not exceed five crore rupees; (Earlier it was Rs 25 Lakhs investment in plant & Machinery)

A small enterprise will be defined as a unit where the annual turnover is more than five crore rupees but does not exceed Rs 75 crore; (Earlier it was Rs 5 Cr investment in Plant & Machinery)

A medium enterprise will be defined as a unit where the annual turnover is more than seventy five crore rupees but does not exceed Rs 250 crore. (Earlier it was Rs 10 Cr investment in Plant & Machinery)

1st AluTalk Seminar on 'Selection of Casting Process for Aluminum based Alloys (Sand Casting/GDC/PDC)'

IIF Kolhapur Chapter is organising a series of Seminars for our Aluminium foundry members & the 1st AluTalk Seminar on 'Selection of Casting Process for Aluminum based Alloys (Sand Casting/GDC/PDC)' by Mr. Anant Bam, Chairman, IIF Aluminum Task Force is scheduled on 17th Feb. 2018 - 4.00 pm to 8.00 pm at Hotel Atria, Kolhapur.

We request all the members to avail this opportunity to get heavy inputs on light metal casting technology.

The workshop is for limited 30 delegates only. Book your seats by e-mail at Kolhapur@indianfoundry.org or by Phone-9673285534.

Report on Workshop on 'Practical Approach for production of S G Iron'

IIF Kolhapur Chapter organized a workshop on 'Practical Approach for production of S G Iron' on 30th Jan. 2018 at Hotel Atria, Kolhapur.

The workshop was well attended by 55 delegates. Mr. Rajendra Newadkar, Director, IIF NCTS, Pune was the speaker of the event.



The rapid growth of S.G. Iron and its high consumption are testimonial to its outstanding mechanical properties.

S.G.Iron is hence finding extensive application in number of the fields. Keeping the above in mind IIF Kolhapur Chapter organised this workshop.

The program started with the welcome by Hon. Secretary Mr. Sumeet Chougule. Later Chapter Chairman Mr. Deepankar Biswas felicitated the speaker by offering floral bouquet.

Speaker Mr. Rajendra Newadkar, Director of IIF NCTS, Pune – BE & MBA, over 31 years of experience in foundry Industry in areas of Strategic planning/Commercial, SCM, Manufacturing operations, quality assurance, relationship management, product development & process improvements etc.

He started his presentation with Metallurgy of Ferrous Castings. He briefed on Cast Iron family, types of Graphite in S.G. Iron, Classification of the Proportion of Nodular Graphite, Effect Of Matrix On Mechanical Properties Of S.G. Iron etc.

Then he informed on Raw Materials For S G Iron. He told that the selection of the raw materials for the producing different grades of S.G. Irons is important.

It does not only control the end properties of the required grades but also to make economical. Then he gave some tips on selection of proper raw materials & Factors To Be Considered While Selecting Carburisers, Ferro Alloys, Noduliser, Inoculants etc.



Lastly he dwelt upon Effect of cast iron Inoculation, inoculation methods, factors effecting inoculants selection. He also briefed the above topic by giving some case studies.

In the interactive session, participants queries were clarified by the speaker.

Mr. Ravindra Patil, Hon. Treasurer proposed vote of thanks.

Report on Seminar on Basics of NDT Techniques by IIF Coimbatore Chapter

A Seminar on Basics of NDT Techniques was conducted on 29th January 2018, at IIF Seminar Hall, Coimbatore.

Total 35 Participants participated in the technical seminar.

Mr. G. Ezhil, Vice Chairman, IIF Coimbatore welcomed and inaugurated the session. He explained about the importance of NDT in the Foundry Industries.

Mr. C. Sathyamorthy, V.P, M/s Aquasub Engineering introduced the Speaker Mr. N. Suresh Kumar, Technical Manager, M/s. Super Quality Services, Coimbatore.



Outline of the Seminar:

NDT inspections are crucial for assuring and controlling the quality of components and structures during Manufacturing and in-service inspections.

Destructive and Non destructive tests are important part of quality assurance plans to satisfy the customer requirements.

Destructive tests has limited applications as the product being tested is damaged or destroyed and hence makes tested Material seldom useful.

Nondestructive Inspections will test the materials, structures and components without causing any damage and does not destroy or damage the materials under testing and materials tested can be used for the intended purpose.



NDT inspections are important for functioning and to ensure safety of engineering structures under operation. NDT tests are also used in in-service inspection of process plants, boilers, pressure vessels, aircraft structures and lot more engineering structures.

Today, NDT Technology can prevent catastrophic failures that are caused due to fatigue, thermal stresses, corrosion, creep and other damage mechanisms by detecting flaws in early stages of life.

Dr. M. Arasu, Hon. Secretary, IIF Coimbatore Chapter presented the vote of thanks.

Approx Major Raw Material Prices

ITEMS	Price 02.02.2018 Rs./Kg (Basic Price Excl GST)	Price 09.02.2018 Rs./Kg (Basic Price Excl GST)
	Pig Iron (Mum)	34.5
Melting Steel (Mum)	29.5	29.5
CRCA Scrap	30.5	30.5
Copper Ingot	457	456
Aluminum Ingot	160	161

News Headlines..

- Indian Brass, Copper Scrap prices decline in line with Copper Futures
- Indian Aluminium Scrap prices steady, Ferrous scrap stable at higher price tag
- Indian silicomanganese prices remain stable
- Indian Ferro silicon prices decrease with Chinese price reduction
- US pig iron indications slip in quiet market
- Brazilian pig iron export market in pre-holiday lull
- Italian scrap market in hiatus as values fall
- Russian ferrosilicon prices increase slightly
- Chinese Scrap Metal Prices Witnessed Huge Decline on Index
- Export offers for Chinese ADC12 aluminum alloy ingot rise
- Chinese HC ferrochrome price stable



**THE INSTITUTE OF
INDIAN FOUNDRYMEN**

SOUTHERN COIMBATORE
R E G I O N C H A P T E R



SOURECON 2018

28th Southern Regional Conference

March 10, 2018 • Fire Bird Institute, Coimbatore

FOUNDRY 4.0 APPLICATIONS & IMPLICATIONS

In the immediate future, disruptive processes and functions will challenge the foundations of what, how, where and when we operate. Industry 4.0 is the buzzword and there are many different explanations of its meaning. Foundries are increasingly confronted with Industry 4.0 and it is important to be aware of its potential impacts.



There are a few ways to improve productivity quality and processes in Foundries. However, business leaders & managers need to have a basic understanding of the core elements, technologies and their interactions that lead to Industry 4.0. Subsequently, new business models and specific strategies may evolve to implement Foundry 4.0.

Increasing digitalization in the manufacturing sector means that the era of Smart Foundries is now upon us. Fitting manufacturing equipment with sensors and the ability to collect, transmit and interpret data in real-time is leading to previously unattainable

levels of traceability and control. This is enabling tools, machines and people to communicate with each other like never before. This trend, commonly referred to as Industry 4.0, is giving companies far better visibility of their industrial processes, ensuring that potential problems can be identified before they occur.

Preparation is the key to success for enticing such new developments. SOURECON 2018 will be a platform to interact, deliberate and understand the impact of 4.0 in foundries and help foundrymen leverage the potential advantages it offers.

Sessions planned will cover areas wherein 4.0 can be deployed across foundry processes.

- 1) 4.0 Enabled Foundry Management Practices
- 2) 4.0 Enabled Casting Management
- 3) 4.0 Enabled Casting Manufacturing
- 4) Panel Discussion on Opportunities & Challenges for Growth.

SOURECON 2018 will open new vistas in the way foundries are conceived and managed for sustaining success. Look forward to seeing you all.

R Saravanan

Chairman, Organising Committee

N Ramasamy

Chairman, Southern Region

J Ganesh Kumar

Chairman, Coimbatore Chapter

Prabhu backs hiking interest subsidy for exporters

The commerce department has asked the finance ministry to enhance the subsidy paid to exporters from labour-intensive sectors and SMEs from 3% to 5% credit provided to counter the impact of poor infrastructure in the country, a senior government official said on Thursday.

Director General of Foreign Trade (DGFT) Alok Vardhan Chaturvedi said that commerce and industry minister Suresh Prabhu had taken up the matter with FM Arun Jaitley. Under the scheme, the outlay has already been enhanced from Rs 1,000 crore to Rs 2,500 crore in the Budget as the government seeks to help Indian exporters garner a bigger share of the global pie and also boost capacity utilisation and employment.

The DGFT said that the cost of capital in India is much higher as compared to other countries. Besides, infrastructure inefficiencies and logistics costs too are high as compared to India's competitors including Singapore and Malaysia. Prabhu said that products being sold in global markets need to be at a level-playing field.

The minister said that the incentives for exports would add up to over Rs 1 lakh crore, including the duty forgone on schemes such as Merchandise Exports from India Scheme (MEIS) and advance authorisation. Prabhu also said that work is in progress to see ways to increase exports of goods and services to \$1 trillion in the coming years.

On whether increase in customs duties on certain items could be seen as a protectionist measure, the minister said it is not, and India is one of the most open economies in the world.

Reclassification of MSMEs to boost Ease of Doing Business, increase GDP share

Change in the MSMEs classification from investment in plant and machinery to turnover criteria is a major breakthrough in the Ease of Doing Business for MSMEs and a step forward

in synchronisation of business firms with GST, said President, PHD Chamber, Anil Khaitan.

"While appreciating the cabinet decision on reclassification of the MSMEs and increasing the limit of micro (where the annual turnover does not exceed five crore rupees), small enterprises (where the annual turnover is more than five crore rupees but does not exceed Rs. 75 crore) and medium enterprises (where the annual turnover is more than seventy five crore rupees but does not exceed Rs. 250 crore), would go a long way to expand production possibilities frontiers of MSMEs and create new employment opportunities in the economy," said Anil Khaitan.

"The reclassification is in line with PHD Chamber's expectations and the consequent growth will pave way for the increased participation of MSMEs in India's expanding growth trajectory," he added.

"The reclassifying of Micro, Small and Medium enterprises from investment in plant and machinery/equipment to annual turnover will expand the number of MSMEs in the country," Anil Khaitan said.

"The GST network and other methods of ascertaining will help in having non discretionary, transparent and objective criteria and eliminate the need for inspections, thus, making the classification system progressive and evolutionary," he said.

"Over the years, the MSME sector has emerged as an important vehicle for attaining inclusive growth in the country. The sector accounts for 45 percent of manufactured and close to 40 percent of all exports from the country, provide employment to more than 100 million people and contribute at around 37-38 percent in GDP if the services sector MSMEs are also included," said Khaitan.

"However, in OECD economies, MSMEs contribute more than 50 percent in the GDP," he added.

"The reclassification of MSMEs would go a long way to increase their share in GDP significantly to the level of 50 percent in the coming times," said Anil Khaitan.

"The recent reforms undertaken by the government in the fate of MSMEs such as reducing the corporate tax to 25 percent (for turnover less than Rs. 250 crore) and reclassification are appreciable and in line with the industry expectations," he concluded. (ANI-NewsVair)

Centre approves amendments in classifying MSMEs::

New Delhi February 8 : The Centre on Wednesday approved a change in the basis of classifying Micro, Small and Medium Enterprises (MSMEs) from 'investment in plant and machinery/equipment' to 'annual turnover' to encourage ease of doing business.

This will make the norms of classification growth oriented and align them to the new tax regime revolving around the Goods and Services Tax (GST).

Section 7 of the Micro, Small and Medium Enterprises Development (MSMED) Act, 2006 will accordingly be amended to define the units producing goods and rendering services in terms of annual turnover wherein a micro enterprise will be defined as a unit where the annual turnover does not exceed Rs. five crore.

Moreover, a small enterprise will be defined as a unit where the annual turnover is more than Rs. five crore but does not exceed Rs 75 crore. A medium enterprise will be defined as a unit where the annual turnover is more than Rs seventy five crore but does not exceed Rs 250 crore.

Additionally, the Centre may, by notification, vary turnover limits, which shall not exceed thrice the limits specified in Section 7 of the MSMED Act.

At present the MSMED Act (Section 7) classifies the Micro, Small and Medium Enterprises (MSMEs) on the basis of investment in plant and manufacturing units, and investment in the equipment for service enterprises.

The criterion of investment in plant and machinery stipulates self declaration which in turn entails verification if deemed necessary and leads to transaction costs.

14 Coastal Economic Zones for port-led industrialization

The government is planning to develop 14 Coastal Economic Zones (CEZs) under its ambitious Sagarmala Programme to promote port-led industrialization, Parliament was told on Thursday.

All maritime states and union territories would be covered under the plan. "The perspective plans for all 14 CEZs have been prepared in consultation with relevant state governments and Central ministries," Minister of State for Shipping Pon Radhakrishnan told Lok Sabha in a written reply.

He said port-led industrialization would provide impetus to the "Make in India" initiative and aid job creation. "Finalization of institutional framework and roadmap for the development of CEZ based on the recommendations of Inter-Ministerial Committee has been taken up," he said.

Auto sales up 7.5% in January

Automobile sales across segments grew at a brisk 7.5% year-on-year in January, according to data released by the Society of Indian Automobile Manufacturers (SIAM). This was mostly on account of utility vehicle sales, which rose 37.88% as customers continued to prefer compact sport utility vehicles over entry-level sedans and other passenger cars. Sales of passenger cars fell 1.25%.

Segment	January sales (in units)	Year-on-year change, in %
Passenger cars	184,264	-1.25
Utility vehicles	85,850	37.88
Vans	15,363	-7.56
Total PVs*	285,477	7.57
Total CVs	85,660	39.73
Total 3-wheelers	62,543	99.53
Total 2-wheelers	1,684,066	33.43
Total	2,117,746	30.71

*Total PVs are inclusive of cars, utility vehicles and vans
PVs: passenger vehicles; CVs: commercial vehicles

Source: SIAM

Indian EV market to grow in double digits: Assocham

The Indian electric vehicles (EV) market is expected to grow at double digit rates till 2020, while the nascent telematics market is also poised to develop at a much faster rate, industry chamber Assocham said on Sunday.

The EV industry in the country is at a nascent stage, comprising less than one per cent of total vehicle sales and is dominated at 95 per cent by two-wheelers, an Assocham study done with global advisory services firm EY said.

"Stricter emission norms, reducing battery prices and increasing consumer awareness are driving EV adoption in India, while EVs are not yet mainstream, government push and other indications point to a growing momentum," stated the study titled "Electric mobility in India: Leveraging collaboration and nascency".

The report, however, noted the urgent need for creating charging infrastructure at a rapid pace "as it is the determining factor for growth of EVs".

"The required need at this point in time is the presence of related support industry and infrastructure as it will help the charging infrastructure thrive."

The study also said that, as compared to public charging, home charging would still continue to be the dominant source with a share of nearly 70 per cent in 2030.

"There is a growing need for a national regulated rate that can be applicable to all charging stations across India," it said.

Besides, EV adoption will be highly dependent on the pace of fall in battery costs as EVs are significantly more expensive than traditionally propelled vehicles due to high cost of lithium ion batteries.

"With improvement in technology and manufacturing efficiency, the cost is expected to decline to \$100/kWh by 2023," the report said with regard to batteries. India does not have any policy framework or mechanism for

the battery recycling and second use market, the statement said.

"There is a need for long-term supply-side incentives that attract desired investments required for EV deployment," it added.

Describing telematics as essential for EVs, Assocham said: "Growing use of telematics across multiple services such as EV to grids interaction, fleet/asset management, navigation and location-based systems, insurance, V2V, V2X systems, remote alarm and incidence monitoring, and safety and security, telematics is poised to grow at a compounded annual growth rate (CAGR) of 31.2 per cent till 2020."

Telematics is supporting new generation intelligent transport solutions by embedding intelligence into vehicles using sensors and chips and improving communication between different stakeholders to provide real-time decision support through interconnected networks.

According to Assocham, the global market size of telematics will be around \$47.6 billion in 2020 from \$20.02 bn in 2015, while 88 per cent penetration of global integrated telematics for new cars is expected to be achieved by 2022.

How Tata Motors is tweaking its product strategy for CVs

To improve its productivity and profitability further and up its market share, Tata Motors is fine-tuning its product strategy in line with transiting times.

Girish Wagh recently took over as the Head of the Commercial Vehicle business of Tata Motors. The move gains significance in the backdrop of the company restructuring its automotive business with an eye on growing its commercial vehicles (CV) portfolio that contributes the largest chunk, with a current market share of 44.7 percent.

To improve its productivity and profitability further and up its market share, Tata Motors is fine-tuning its product strategy in line with transiting times.

"With BS-VI coming in, operating economics become very significant within a segment. In the small CV category we see movement happening towards higher payloads, as is being experienced in Light CVs and M&HCVs.

So our development effort will span all the segments especially the changing needs within those segments. We will try to bring products where there are gaps," Wagh told ETAuto.

The company has also been pitching its electric buses in the limelight to boost this business. It is undertaking trials of its 12 metre Star bus electric across the country.

With 11 cities coming up with tenders for electric buses under the FAME-I incentive scheme, Tata is gearing up to bid for the tender to deploy them. "We are ready in terms of making electric buses," assures Wagh.

The CV maker launched more than 35 vehicles in the current fiscal and by the end of the year (2018-19) will close with 50 launches. These will include besides new models, variants and facelifts.

The company has already announced plans to invest over Rs 1500 crore (to be funded by internal accruals) over the next 2 years, the chunk of which will be spent on meeting BS-VI norms, new product development, and in productionising these vehicles for instance, on toolings and in debottlenecking of manufacturing activities.

This capex is expected to consolidate the CV business further.

On the export front, SAARC is its mainstay but Wagh says they also looking at ASEAN, Middle East, North Africa, South Africa, and LATAM geographies and will be entering them soon.

Products like the Ace, a MHCV, pick- ups, LCVs and a 3 axle HCV are doing well in some of these regions. Last year the company exported 62,000 vehicles and this number is expected to rise steadily in the future.

International News..

INVESTIGATORS SEEK CAUSE OF FIRE AT KOHLER CO. FOUNDRY

The cause of a fire that damaged a foundry Wednesday night at Kohler Co. remains under investigation.

The fire was reported shortly before 11:30 p.m. inside a cast iron foundry on the company's campus near Highland Drive, according to the Kohler Fire Department.

The fire started near a piece of equipment used to melt metal and spread to the roof of the building, firefighter John Ewert said Friday.

Employees were safely evacuated from the building. No injuries were reported.

"We're very fortunate that everyone got to go home safe," Ewert said. The fire wasn't extinguished until shortly after 6:30 a.m. Thursday.

Firefighters used a dry chemical to extinguish flames in certain areas of the building to avoid exposing liquid metal to water, Ewert said.

"It's a careful process," he said. "They wanted to make sure to keep the fire contained and controlled."

Multiple fire departments came to the scene to provide additional manpower and equipment. The damage caused by the fire and the time frame for reopening the facility still were being assessed by Kohler Co. staff on Friday.

"All Kohler associates who work at the foundry will remain employed by the company and continue to receive full compensation throughout the period that the facility remains shut down," the company said in a statement.

"All other Kohler facilities remain fully operational."

Government Schemes

Niryat Bandhu Scheme – Mentoring Entrepreneurs for Export

The scheme facilitates entrepreneurs wishing to enter exports through mentoring, counseling & info sessions through the active network of 36 DGFT offices spread across the country.

The scheme was announced by the Government on 13th October, 2011 for mentoring first generation entrepreneurs. The scheme was incorporated at paragraph 2.51 of the Foreign Trade Policy 2009-14.

The officer (Niryat Bandhu) would primarily mentor the interested individuals in the arena of international business.

Such hand holding by the officers of DGFT would help the new exporters and importers by leveraging the knowledge base of the officers and by providing timely and appropriate guidance.

For more information on the scheme, please click the link below

<http://dgftcom.nic.in/exim/2000/nbandhu/indexbandhu.htm>

Notifications/ Circulars

Ministry of Finance, Dept. of Revenue, CBEC

3/2018-Central Tax ,dt. 23-01-2018
First Amendment 2018, to CGST Rules

http://www.cbec.gov.in/resources//htdocs-cbec/gst/Notification-3-2018-central_tax-English_New.pdf

Ministry of Finance, Dept. of Revenue, CBEC

Notification No. 11/2018 - Customs (N.T.) dated 01.02.2018

Exchange Rate Notification

<http://www.cbec.gov.in/resources//htdocs-cbec/customs/cs-act/notifications/notfns-2018/cs-nt2018/csnt11-2018.pdf>

Ministry of Commerce & Industry, DGFT

Trade Notice 23/18, dt. 06-02-2018

Advise to exporters to promptly check shipping bill transmission status on ICEGATE and DGFT website

<http://dgft.gov.in/Exim/2000/TN/TN17/Trade%20No.%2023.pdf>

Upcoming Indian Events

	ALUCAST-2018 06 - 08 Dec., 2018 Delhi/ NCR, India http://www.alucast2016.com/
	67th Indian Foundry Congress 18-20 January 2019 India Expo Mart, Gr. Noida

Upcoming International Events

	INDOMETAL From: 17 - 19 OCT 2018 JI EXPO JAKARTA http://www.indometal.net/
	Metal + Metallurgy China 16-19 May, 2018 China International Exhibition Center Beijing http://www.mm-china.com/En/

Disclaimer: Although every care has been taken to ensure that information provided is correct, The Institute of Indian Foundrymen will not be responsible for any error or omission and it does not necessarily represent official opinion of the Institute of Indian Foundrymen