

# ANNUAL ACTIVITY REPORT

## INSTITUTE OF INDIAN FOUNDRYMEN - NORTHERN REGION

Year: 2022-23

# Office Bearers



**Saurabh Gupta**  
CHAIRMAN



**Ajay Gupta**  
VICE-CHAIRMAN



**SALIL GUPTA**  
SECRETARY



**SANJEEV AGARWAL**  
HONY. TREASURER

# **ACTIVITIES**

## **# 71st Indian Foundry Congress/IFEX-2023**

As a Host Region IIF Northern Region organized this year 71st Indian Foundry Congress, the flagship event of the Indian Foundry industry was held at India Expo Centre & Mart, Greater Noida, Delhi -NCR during 8-10 February 2023.

All roads led to Greater Noida during the three days, where the Maha kumbha of the Indian Foundrymen took place. Over 1500 delegates from the foundry, Theme: Arise, Automate & Aatmanirbhar equipment, raw materials, academies, government agencies and also other sectors participated in the IFC to review the various aspects of the metal casting industry.

The three-day event of international standard offered an array of events like inaugural function, Fellowship conferring, Awards distribution, Technical Sessions, Cast Source Meets, Casting Clinic, B2B Meetings, Special sessions on Railways, Defence, Cost savings by sustainable energy sources, Electric vehicles, CEO Meet, Entertainment programmes and Valedictory function.

A galaxy of eminent speakers from the industry, academies and government departments/agencies shared their views and valuable information on the Indian Foundry industry producing 12.45 million tonnes of castings; the second largest producer of castings in the world. A number of presentations focusing on the Theme “Arise, Automate & Aatmanirbhar” were made in various forums of the Congress. They reviewed the status of the Foundry industry - Mother of all industries. Government representatives and technocrats also in their presentations threw light on the challenges faced by the industries and offered possible solutions.



On Feb 8, 2023 evening the inaugural function of the grand show of 71st IFC was held before a large number of delegates in the Forace Hall at India Expo Centre & Mart; one of the best convention centres of the country with all modern facilities.

Mr Vikas Garg, Co-Chairman, 71st IFC Organising Committee in his opening remarks mentioned that organising committee members had to work hard and had to cross several hurdles while preparing for the mega event

It was very tough to organize two versions of the mega shows in one financial year 2022-23. However, he said, there was an overwhelming response from the members and the industry as a whole.

Mr Garg then referred to the increasing demand for castings from the core sectors like Railways, Defence, infrastructure, mining etc. He also mentioned the special sessions of 71st IFC including session on Renewable sources of energy, from which foundrymen would have tremendous take-

aways. He further mentioned about other speakers from EV sector, Government representatives, and automotive sectors.

Mr Pradeep Mittal, Chairman, 71st IFC Organising Committee in his welcome address informed that entire space for IFEX 2023 had been sold out. He said that a number of in-depth presentations would be made on very relevant subjects by prominent personalities from industry, academies and govt departments/agencies.

Guest of Honour, Mr Ganesh Mani, President & COO, Ashok Leyland while addressing the inaugural session said that metal casting technique is a very old practice. Foundry industry is mother of all industries, as castings are needed by all industries. He appreciated foundrymen's effort for the progress of the industry. He further said that metal casting industry would progress tremendously in the years to come. He informed that Ashok Leyland is celebrating the 75th year of its journey. Mr Mani mentioned that there has been a strong bond between IIF and Ashok Leyland for a long time.



According to the Guest of Honour, the Theme of the IFC is quite relevant to the present situation. Mr Mani stressed the need for attracting youngsters to foundry industry to build professional career in this basic industry. He stated that making smart foundries (Foundry 4.0) is the way to attract young engineers to cast metals industry. He also mentioned the present Government's urge to move the country's economy to achieve 5 trillion mark. In this regard he referred to the necessity of using renewable energy to cater to the increasing demand for energy for development in various sectors of India.



Mr Akshay Sangwan, Executive Director - Development & Commercial, Sonalika Industries /ICML, who graced the occasion as Chief Guest, while speaking on the occasion said that India will progress in a big way in near future. The country's economy is already in the fifth rank in the world with nominal GDP of \$3.8 trillion in 2022. He also informed that demand for castings from the core sectors would increase tremendously. India's export of castings is also encouraging. He further mentioned, every

machine that is exported contains castings.

The Chief Guest also spoke about the challenges faced by the foundry industry like the dearth of skilled manpower, heavy price fluctuation of raw materials, higher cost of energy. He thanked the Government for slashing import duty on raw materials in the recent past. Mr Sangwan said that India's castings are appreciated in the international markets however, surface finish of the castings need to improve. In his opinion, production of intricate casting and value- added castings is need of



the hour to lead in the global market. Delivery commitment is another area which needs to be focused to improve. He advised Indian foundrymen to visit overseas foundries, foundry exhibitions.

Guest of Honour Mr B B Swain, Secretary, Ministry of Micro, Small & Medium Enterprises, Government of India, while addressing the inaugural session said that MSME sector is the backbone of Indian economy. He informed that most of the country's casting units belong to MSME sector. Mr Swain further stated that there are a number of government schemes available for the MSMEs. He suggested that foundries in this sector could take benefits of those schemes. He specially mentioned about the Credit Guarantee Scheme (CGS) from where small foundries could have loans. He said that the Government is providing considerable monetary funds for the MSMEs through the scheme.



Mr Vinit Jain, President, IIF in his address said that out of total production, more than six crores of MSMEs produces 45 per cent, sharing 30 per cent of the country's GDP. IIF President welcomed the Government's proposal for allotting 22138 crores for the MSME Sector. He also welcomed the Central Government's proposal to exempt tax for MSMEs as per Sec 42 B in the current Budget. IIF President Mr Jain also mentioned about the Government's Campaign - "Make in India" and "Zero defect and zero effect"



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## **# NR hosted 71st Annual General Meeting**

IIF NR hosted the 71st Annual General Meeting of The Institute of Indian Foundrymen on Sept 19, 2022 at Hotel Radisson, Jaipur.

Mr Vinit Jain, from IIF Northern has taken over the Charge for President, IIF for the year 2023-24. In his acceptance speech highlighted his vision for the year. He announced his Presidential Theme as Sustainability Roadmap – Automation, Environment & Information. With equipment and solutions, every foundry is to become more profitable and more sustainable. He further stated that adopting automation in right way would have dramatic impact on process efficiency. Mr Jain also said that to aim at making the foundry market size double, foundries need to focus on three 'S' – Sale, Scale and Sustain and to achieve these, they require 3A, that is Arise, Automate and become Aatmanirbhar. Mr Pradeep Mittal, Chairman, FIC while speaking about the newly developed IIF Mobile App by FIC IT Cell informed that the App can be downloaded from Google Play Store. He also mentioned the features of the App. Rishab Jain and Associates was reappointed the Statutory Auditor of IIF for 2022-23. Mr Pradeep Mittal, Chairman, 71st IFC Organising Committee informed about the preparation of 71st IFC and IFEX 2023 to be held during 8-10 Feb 2023 at Noida. Brochure of 71st IFC was formally released by IIF National Office Bearers. New National Office Bearers.

## **JOINT INITIATIVES WITH GOVERNMENT DEPARTMENTS**

### **# Importance of standardization in Foundry Technologies ,Product and Processes**



On March 24, 2023 IIF Northern Region along with Foundry Informatics Centre (FIC), IIF and BIS (Bureau of Indian Standards) jointly organised a technical meeting on the above topic. The event was conducted in a hybrid mode.

Mr Pradeep Mittal, Chairman, FIC while physically addressing the session welcomed the dignitaries, keynote speakers and other participants. Mr Mittal highlighted the

importance of synergistic relationship of IIF and BIS and stated that these two organization's combined effort would benefit Indian Foundry industry a lot.

Mr Dinesh Gupta, Hon Secretary, IIF in his address informed that the prime objective of holding the important session was to sensitize the importance of standardization in the field of Foundry Technology especially steel castings and also participation in preparation of standards at both national and international levels. He stressed the need for coming together of all stakeholders and create a robust ecosystem.

Mr. Vinit Jain, President, IIF while addressing the programme thanked BIS for joining hands with IIF for conducting such a programme to raise awareness on the concept of standardization among foundry regarding its benefits. Key speakers were Mr Sanjeev Maini, Senior Director and Head, MTD, BIS, Government of India and Mr G Ram Sai Kumar, Member Secretary, MTD 14, BIS, Government of India. In his presentation Mr Maini shared the overview of BIS, their pan India presence and multi-sectoral approach for standardization.



Mr G Ram Sai Kumar made detailed presentation on standardization procedure relating to foundry technology, products and processes. In the question-answer session, participants' queries were clarified by the speakers. Mr Basant Kumar, Asst Director, IIF offered vote of thanks.

## **# FOUNDRY DAY CELEBRATION**

### **#National Foundry Day Celebrated by IIF Northern Region along with IIF-Delhi, Batala, Jaipur & Chandigarh Chapter**

IIF Northern Region along with its Delhi, Batala, Chandigarh & Jaipur chapters celebrated the National Foundry Day (NFD) on 20<sup>th</sup> August 2022 at the hotel Crown Plaza. The event was sponsored by Alloysmin Industries, Vision Metal Aids, F S International, Forace Polymers Pvt. Ltd., Abhishek Ferro Alloys and Elkem South Asia Pvt. Ltd.

Total approx 50 delegates participated in the National Foundry Day celebration including, Vice-President-IIF, Mr. Vinit Jain, Past President-IIF, Mr. Shashi Kumar Jain, IIF-NR Chairman, Mr. Saurabh Gupta, IIF NR Hon. Secy. Mr. Salil Gupta, other office bearers & Members from IIF-Northern Region and its various chapters along with their families.

The celebration started at 06:30 PM. The master of ceremony was Mr. Dinesh Gupta, who welcomed all and then he invited Mr. Saurabh Gupta, Chairman, IIF NR, to give his welcome speech.

Mr. Saurabh Gupta, Chairman, IIF-NR, extended his wishes to all the members and esteemed Foundrymen. First of all he wished the National Foundry Day (NFD) to all the members and thanked all the members for gracing the event by their presence.

After that members present at hotel Crown Plaza cut the ceremonial cake and wished IIF on its foundation day.

Mr. Dinesh Gupta requested Mr. Vikas Jain to start his session. Mr. Vikas Jain, started his session "Positive Intelligence" in which he explained psychological behavior of human beings and how we can practice it. He explained how we can do well in our businesses and family relationships by changing the way we think to achieve over all happiness. He played a few activities on selective thinking with members.

During the celebration, a team of members also visited the venue The India Expo Mart Ltd. (IEML) where the 71<sup>st</sup> Indian Foundry Congress and IFEX 2023 to be held. The members recce the venue see the facilities, Floor plan etc. Meanwhile the second meeting of IIF-NR Council also held at IEML.

Later on, the evening started with several of entertainment programs, games and musical night. All the participants looked very excited and enjoyed each moment of the celebrations. Gifts were distributed to the winning participants.





Mr. Salil Gupta, Hon. Secretary, IIF NR, thanked everyone for joining this virtual event and thanked the speakers for their wonderful presentation and extended his formal vote of thanks and requested everyone to join the dinner.

## **# Awareness programme on Health and Wellness**



IIF-Chandigarh Chapter in association with Jalandhar Auto Parts Manufacturers Association (JAMA) organised an awareness programme on Health and Wellness on April 12, 2023 at Hotel Ramada Encore. Dr J P Singh, Laparoscopic & Bariatric Surgeon and President of Indian Medical Association (IMA), Jalandhar graced the occasion as

Chief Guest. Dr Ajay Deep Singh, Orthopedic Surgeon was the Guest of Honour. Mr Sanjeev Juneja, Hon Secretary, IIF Chandigarh Chapter in his welcome address said that, true health is physical, emotional, intellectual, social and spiritual wellbeing of a person and to stay well in life all these five things should be taken care of. Mr Balram Kapoor, Chairman, IIF Chandigarh Chapter in his address said CHANDIGARH that most of the people's misconception regarding health and wellness is, how a person feels is the indicator of how healthy he or she is. Dr J P Singh appreciated the efforts of IIF-Chandigarh Chapter and JAMA in organizing such an awareness programme.

He underlined that as per World Health Organisation (WFO) health is defined as being a state of complete physical, mental and social well-being and not merely the absence of diseases. Dr Ajay Deep Singh while speaking on the occasion advised to regularly check weight and do necessary exercises to stay fit. Mr. Viney Luthra, Past Chairman, IIFNR praised Mr. Balram Kapoor for his significant contribution to 71st IFC organised by IIF-NR in Feb 2023 in Greater Noida. Mr. Balram Kapoor, Chairman, IIF Chandigarh Chapter offered vote of thanks.



## **SEMINAR/WEBINAR**

### **#Seminar on “Promoting Energy Efficiency and Renewable Energy”**

IIF-Chandigarh Chapter And Northern Region in association with Bureau of Energy Efficiency (BEE), United Nations Development Organization (UNIDO) and Global Environment Facility (GEF), conducted an awareness seminar on Energy Efficiency (EE) and Renewable Energy (RE) at Hotel President, Jalandhar on 13th July 2022.

Mr Devinder Kumar Sharma, Chief Engineer, Punjab State Power Corporation Ltd (PSPCL), Jalandhar and Mr Deep Singh Gill, GM, Dist Industry Centre (DIC), Jalandhar were the Chief Guests in the Seminar.



The Session Highlights were –

Understanding energy efficiency and renewable energy technologies CHANDIGARH  
Case studies of Foundry Sector  
Connect with energy efficiency technology providers.

Mr Ajay Rai, Vice Chairman, Chandigarh Chapter and Executive Director of Pritika Group of Industries presented a very informative case study on Energy Savings in Pritika Group saving 10% of costs. The seminar was attended by about 100 members from Jalandhar, Ludhiana and Chandigarh.

### **Seminar on “COST REDUCTION THROUGH ROOFTOP SOLAR”**

Northern Region & Chandigarh Chapter of the Institute of Indian Foundrymen (IIF) has jointly organized a seminar on “COST REDUCTION THROUGH ROOFTOP SOLAR” at Hotel Ramada by Wyndham on 30th Nov 2022. The seminar was well attended by more than 120 delegates from industrial clusters of Jalandhar, Chandigarh and nearby areas. Mr. Dinesh Gupta, Honorary Secretary, Institute of Indian Foundrymen, Mr. Saurabh Gupta, Chairman IIF-NR, Mr. Balram Kapoor, Chairman, IIF-Chandigarh Chapter, graced the event with their august presence.

Mr. Inder Pal Singh, Deputy Chief Engineer, PSPCL Jalandhar was the chief guest.

Welcoming all the delegates, Chairman, Chandigarh Chapter, Mr. Balram Kapur said that electricity cost is a challenge before the industries today. Due to this the cost of production also increases considerably and in this era of competition it has become very difficult for the industry to compete.

He said that in many countries of Europe, sunlight is available only for 4 to 6 hours, yet the use of solar energy is very high there.

In this matter, he cited a big company of Indore and said that after installing the solar panels, electricity bill got reduced and the cost of the plant was also completed in four years.

Mr. Sanjeev Juneja Secretary of IIF-Chandigarh Chapter said that India has tremendous scope of generating solar energy. The geographical location of the country stands to its benefit for generating solar energy. The reason being India is a tropical country and it receives solar radiation almost throughout the year, which amounts to 3,000 hours of sunshine. This is equal to more than 5,000 trillion kWh. Almost all parts of India receive 4-7 kWh of solar radiation per sq meters. This is equivalent to 2,300–3,200 sunshine hours per year.

During the seminar, Mr. Vinay Luthra, Past Chairman, IIF-Northern Region, shared the information about the activities of Chandigarh chapter.

Thereafter Mr. Saurabh Gupta, Chairman, IIF-Northern Region, shared detailed information about the projects and initiative taken up by the Northern region of the interest of its chapters.

Mr. Dinesh Gupta, Honorary Secretary, Institute of Indian Foundrymen, shared information about the various initiatives being taken by IIF for the benefit of its members. He also said that IIF-Northern Region is going to organize the 71st edition of The Indian Foundry Congress (IFC); & IFEX 2023 in February from 8th to 10th 2023 and appealed to the participants to join the IFC as delegate and contribute in making the event a grand success

Later on Mr. Pradeep Mittal, gave a presentation on 71st Indian Foundry Congress and The IFEX 2023 exhibition.

Mr. Umang Joshi the keynote speaker informed the members that the price of Solar system varies between Rs 50000 to Rs 65000 per kilowatt depending on capacity to be installed. The net cost to end customer is Rs. 35000 to Rs 50000 per kilowatt depending on the capacity installed. He informed that as per Punjab Govt. Regulations maximum capacity of Rooftop Solar system to be installed at consumer's premises shall not exceed 70% of the sanctioned load or contract demand of the consumer whichever is lower. He also informed the members that 40% depreciation is given on rooftop solar system. He also presented success story of many industries that installed rooftop solar. He also talked about

- Savings and Payback on Solar
- Understanding ROI
- Safety and quality aspects of Solar

During the seminar, Mr. Amit Kumar, SIDBI Branch Manger shared detailed information about solar roof top and its loan schemes as well.

Chief guest Mr. Inderpal Singh appreciated the efforts of the organization and said that the industry must adopt solar system. He also added that industry should move towards rooftop solar as govt. is very supportive and proactive on clean and green energy.

## **# Webinar on Global Economic Slowdown**



light on the present global economic as well as political situation prevailing IIF Northern Region in association with Delhi, Jaipur, Chandigarh and Batala Chapters organized a webinar on the topic News from Regions and Chapters “Global Economic Slowdown” on Oct 27, 2022.

Mr D P Srivastava, Former Indian Ambassador to Islamic Republic of Iran (2011-15) made an insightful presentation on the subject Mr. Saurabh Gupta, Chairman, IIF-NR delivered welcome address and presented the speaker’s profile. Mr Dinesh Gupta, Hon Secretary, IIF thanked IIF-NR for organizing a webinar on such a very relevant topic in respect of the present global economic scenario. Mr Gupta spoke on the upcoming mega event 71st IFC and IFEX 2023 and requested all to participate therein in a large number. Mr D P Srivastava in his presentation threw across the world. He explained in detail about the dynamic feature of oil and energy supply and prices across the globe.

In question-answer session, participants’ queries were clarified by the speaker. Mr. Salil Gupta, Hon Secretary, IIF-NR gave vote of thanks.

## **# WEBINAR - Common Metallurgical Defects and Its Remedies:**

The Northern Region of the Institute of Indian Foundrymen organized a webinar on “Common Metallurgical Defects and Its Remedies” along with its Delhi, Jaipur, Chandigarh & Batala Chapters on 24<sup>th</sup> Sept 2022 at 4:00 PM. The Webinar was well attended by 74 participants from the Industry including JMP Industries, Srinathji Ispat Ltd., SPM Auto Lt. Sharp Chuks, Mantri Metallic Pvt. Ltd., Sriunhat Metaliks Minerals Pvt. Ltd., Jaidev Cast Alloys Pvt. Ltd. and others.

Mr. Saurabh Gupta, Chairman, IIF-NR welcomed all the participants and introduced the speaker Mr. Veera Vighnesh Rajendran, Manager Application, SNAM Alloys Pvt. Ltd. In his welcome address he said that IIF-Northern Region is always committed to provide all kinds of supports to its members. Thereafter he requested to Mr. Vinit Jain, President, the Institute of Indian Foundrymen for his inaugural address.

Mr. Vinit Jain, welcomed all the participants and congratulated IIF-Northern Region for organizing webinar on the topic of interest and importance to the industries. He then welcomed the key note speaker Mr. Veera Vighnesh Rajendran, from SNAM Alloys Pvt. Ltd. to holding the technical webinar. He also added that such technical sessions should be organized physically in industries along with their technical staff.

After the inaugural address, Mr. Veera Vighnesh started his presentation on the subject. He covered almost all the sections related to metallurgical defects during his session and also given solutions. During the QA session, many of the participants shared issues being faced by them in their day to day operations. All the queries were resolved by the speaker.

The session ended with the vote of thanks by the chairman, IIF-NR, Mr. Saurabh Gupta.



## **INTERNATIONAL CONNECTS**

### **# FIC and IIF-NR Hosted the Russian Delegation**

FIC under its International Connect Desk and IIF-NR hosted the Russian delegation at IIF New Delhi office on April 13, 2023. The meeting aimed at fostering relations between the IIF and Russian counterparts and to explore joint initiatives.



The Russian delegation included a team from OMK Steel, Russia which was led by Mr Roman Vorobev. Mr Roman is also an ex-diplomat actively working in Indian sub-continent. IIF was represented by Mr Pradeep Mittal, Chairman, FIC; Mr Salil Gupta, Hon Secretary, IIF-NR; Mr Sanjeev Kumar, Director, IIF and Mr Basant Kumar, Asst Director, IIF. Mr Pradeep Mittal shared various IIF activities and supporting its members through its initiatives both in India and globally. Mr Salil Gupta spoke about the vision of IIF-NR and briefed about how it is benefiting the foundry industry at large. Mr Vorobev expressed his willingness to join hands with IIF and conduct joint programmes like inbound and outbound business delegation, B2B meetings and various other activities



Mr Sanjeev Kumar briefed about the services provided by FIC to international suppliers under FMCS scheme of Government of India through IIF's Standard Advisory Committee, led by Mr Dinesh Gupta.

### **# Namibia University of Science & Technology & Foundry Informatics Centre, IIF, New Delhi**

IIF Northern Region and Foundry Informatics Centre jointly arrange for a meeting with Namibian Delegates .

Mr. Pradeep Mittal, Chairman, FIC, New Delhi welcomed the delegation led by Dr Eroid Naomab, Vice-Chancellor, Namibia University of Science and Technology (NUST) , Windhoek in the presence of H.E. Gabriel Sinimbo, High Commissioner of the Republic of Namibia to the Republic of India and introduced the agenda of the meeting. Dr Eroid, the Vice Chancellor, in his opening remarks expressed the interest of the delegation to explore possible partnership in the areas of science, technology/Innovation and research (both industrial and academic). Mr. Saurabh Gupta, Chairman, IIF Northern Region, in his initial comments, appreciated the interest shown by the visiting delegation to explore the opportunities and expressed his interest in the Namibian market and the region with regards to business opportunities for the Foundry and associated sectors.



H.E. Gabriel Sinimbo, High Commissioner of the Republic of Namibia to the Republic of India while delivering the Special Address appreciated the initiative taken by, FIC and NUST, to brainstorm on areas of collaboration during the interactive session. He further stated that Namibia is full of opportunities for Indian Foundry industries and assured for his full support to take this collaborative effort to heights. H.E. Gabriel Sinimbo during the discussion talked about the investment opportunities and setting up manufacturing plants in Namibia. The fact that Namibia is mainly dependent on import of castings, he further emphasized on the need to establish a direct supply chain with the foundry industries in Indian and facilitate trade.

Dr. Colin Stanley in his concluding remarks mentioned about abundance of scraps available which could be catalyst in promoting Indo-Namibian trade promotion with regards to the castings industry. Dr Colin invited the Indian delegation to Namibia to explore the opportunities in collaborative research and businesses. Mr. Pradeep Mittal in his concluding remarks expressed the interest to have stronger ties with Namibia and the region to promote and accelerate market research and business expansion. He invited Namibia to partner and participate in the 71st IFC/ IFEX 2023 and also, advised and requested H.E for an interaction with other IIF members going forward.



## **NR Council Meetings During the year :**

**1<sup>st</sup> Council Meeting – 07.07.22**

**2<sup>nd</sup> Council Meeting – 20.08.22**

**3<sup>rd</sup> Council Meeting – 19.09.22**

**4<sup>th</sup> Council Meeting – 02.01.23**

**5<sup>th</sup> Council Meeting – 02.04.23**

**6<sup>th</sup> Council Meeting – 23.06.23**