

THE INDIAN INSTITUTE OF METALS – DELHI CHAPTER

ACTIVITIES / ANNUAL REPORT FOR THE YEAR 2016-17

The Activities / Annual Report of our Chapter for the year 2016-17 are as under:

- 2.0 The 64th Annual General Meeting of The Indian Institute of Metals – Delhi Chapter for the year 2015-16 was held on Saturday, 11th June 2016 at 11.30 AM at Jawahar Dhatu Bhawan, 39 Tughlakabad Institutional Area, M B Road, New Delhi-110 062, wherein the Annual Report and Accounts of the Chapter for the year 2015-16 were presented and approved.
- 3.0 The outgoing EC proposed the following slate of members for the next EC (2016-17) from the list of consenting members and the same was approved by the AGM at its meeting held on 11th June 2016.

Members of the Executive Committee

1. Shri V C Singhal
2. Shri Manoranjan Ram
3. Shri N Vijayan
4. Shri P K Chatterjee
5. Shri G I S Chauhan
6. Shri B D Jethra
7. Shri K L Mehrotra
8. Shri S C Suri
9. Shri K K Mehrotra
10. Shri Deepak Jain
11. Dr Arvind Bharti
12. Shri Deepak Vaidya
13. Shri Jai Uppal
14. Dr Vipin Jain
15. Shri Navneet Singh Gill
16. Shri A C R Das

17. Shri Gautam Bhatia
18. Shri Subba Raj
19. Shri N K Kakkar

Advisors

- 1 Shri B R Thukral
- 2 Shri Raj Tiwari
- 3 Shri P N Shali

4.0 Subsequent to approval of the above slate by the AGM, the positions of the members were decided unanimously by EC in its first meeting held on 11th June 2016. Details of the positions of the members, as decided by the EC, are as under:

Chairman

Mr. K L Mehrotra

Vice Chairmen

Mr. V C Singhal

Mr. P K Chatterjee

Hon. Secretary

Mr. Manoranjan Ram

Jt. Hon. Secretaries

Mr. N K Kakkar

Dr. Vipin Jain

Mr. Gautam Bhatia

Hon. Treasurer

Mr. N Vijayan

Jt. Hon. Treasurer

Mr. Navneet Singh Gill

Members

Mr. S C Suri

Mr. G I S Chauhan

Mr. A C R Das

Mr. B D Jethra

Mr. K K Mehrotra

Mr. Deepak Jain

Dr. Arvind Bharti

Mr. Deepak Vaidya

Mr. Jai Uppal

Mr. Subbaraj

Advisors

Mr. B R Thukral

Mr. Raj Tiwari

Mr. P N Shali

4.1 Subsequently the EC in its 2nd meeting held on 2.7.2016 decided to appoint Mr. R K Vijayavergia as an Invitee in the meeting of EC.

5.0 **EXECUTIVE COMMITTEE MEETINGS**

During the year 2016-17, twelve EC meetings were held. Among other issues, important decisions related to MMMM 2016, activities and functioning of the Chapter, expenditure, etc. were taken. Many new activities were initiated by the Executive Committee and industry around NCR also provided their support in one way or the other.

However, the mega activity during the year was holding of the MMMM 2016 event successfully.

6.0 **ACTIVITIES DURING 2016-17**

Technical activities:

- (i) Seminar on *Stainless Steel Special Steels and Super Alloys* was held on 2nd April 2016.
- (ii) Presentation on *Waste Heat Recovery System for Recovery of Heat from Hot Stove Waste Gases* was held on 24th September 2016
- (iii) Presentation on *Make in India with Special reference to Mining and Steel* was held on 5.11.2016.
- (iv) Presentation on *Indian Steel Industry – Past, Present and Way Forward* was held on 5.1.2017.
- (v) Presentation on *Recessionary Trends in the Industrial Sector and effects of Demonetisation* was held on 5.1.2017.

- (vi) Seminar on *Outlook of Ferro Alloys and Auto Shredding of Scrap* was held on 3.2.2017.
- (vii) Presentation on *Disruptive Innovations in Operation* was held on 25.2.2017

7.0 **CHAPTER LEVEL NMD**

Chapter Level NMD Celebrations were held at our Chapter on 18th March 2017. On this occasion, the following esteemed members of our Chapter were awarded for their "*Outstanding contributions to the cause of Metallurgy and Metallurgical Profession*":

- ❖ Mr. G I S Chauhan
- ❖ Mr. Manoranjan Ram
- ❖ Mr. K K Mehrotra
- ❖ Mr. N Vijayan
- ❖ Mr. K L Mehrotra

8. **PARTICIPATION OF IIM DC MEMBERS IN THE FOLLOWING PROGRAMMES:**

8.1 **ICC PROGRAMMES**

- (a) Workshops on Mineral Concession Rules 2016 – 1.6.2016
- (b) 8th India Coal Summit – 22.6.2016
- (c) 5th India Minerals & Metals Forum (Ferrous & Non Ferrous) – 21.9.2016
- (d) Infra India 2016 – 28.9.2016
- (e) Coal Gasification – 28.2.2017
- (f) 5th Energy Summit – 8.2.2017

8.2 **ASSOCHAM PROGRAMMES**

- (a) ASSOCHAM Conference on Nuclear Power in India – 27.9.2016
- (b) ASSOCHAM Mining Summit on 4.10.2016

8.3 OTHER PROGRAMMES

Seminar on Steel Making through Induction Furnaces Route: Current Challenges & Future Prospects organized by All India Induction Furnaces Association on 22.10.2016

Programme on Stainless Steel n Dairy: To Enhance Food Safety organized by ISSDA on 4.11.2016

9.0 MMMM 2016 – MEGA EVENT OF THE CHAPTER

MMMM 2016 was a flagship event of the Chapter. The 11th edition of MMMM event consisting of Exhibition and International Conference was organized by our Delhi Chapter jointly with ITEI from 10th to 12th August 2016 at Pragati Maidan, New Delhi. The Conference was inaugurated by Hon'ble Minister for Steel Chaudhary Birender Singh on 10th August 2016. The valedictory session of the Conference was presided over by Hon'ble Minister of State for Steel, Shri Vishnu Deo Sai.

Dr. Aruna Sharma, Secretary, Ministry of Steel and Shri Balvinder Kumar, Secretary, Ministry of Mines, were the Guests of Honour in the Inaugural Function and Valedictory Session respectively.

After Inaugural Session, the Hon'ble Minister of Steel and Secretary, Ministry of Steel went around the Exhibition Stalls. About 35 countries participated in the Exhibition. Around 300 Exhibitors had put up their stalls in the Exhibition and more than 15,000 trade visitors visited in the three days' Exhibition.

Apart from the Inaugural and Valedictory Sessions, the following eight Technical Sessions were covered in the International Conference on **Minerals & Metals and their Contribution to Make in India**, which was held concurrently along with the Exhibition

- ❖ Meal Industry Business Forum
- ❖ Existing Mineral Resources in India & its Future Prospecting
- ❖ Effective Utilization of Low Grade Mineral Resources

- ❖ Competitiveness of Indian Steel Sector with respect to Global Scenario
- ❖ Present & Future of Non-Ferrous in India
- ❖ Energy, Environment of Metal Sector/ Super Alloys Industry in India
- ❖ Role of Infrastructure Sector to meet the Challenges of Metal Sector
- ❖ Role of Financial Institutions in Shaping Future of Metal Sector

The above technical sessions were chaired by *Mr. S S Mohanty*, President IIM & Former Director (Technical) SAIL, *Dr. Vinod Kumar Nowal*, Dy. MD, JSW Steel, *Dr. R N Patra*, Former CMD, Indian Rare Earths Ltd & Past President, IIM, *Mr. R N Parbat*, Past President IIM & Former Director & Chief Operating Officer, Indian Aluminium Company, *Dr. Sanak Mishra*, Secretary General, Indian Steel Association, *Mr. S S Mohanty*, President IIM & Former Director (Technical), SAIL, *Mr. Prasad Koparkar*, Sr. Director, CRISIL, *Dr. R N Patra*, Former CMD, Indian Rare Earths Ltd. respectively.

The first session of the Conference was “*The Metal Industry Business Forum*”. This session was conceived to elicit the views of the Senior Executives of public and private sector steel plants with regard to long term scenario of different public and private sector steel plants in the production, expansion and marketing front. The other sessions covered the presentations on the following topics:

- (1) e-Auctioning of Mines
- (2) Opportunities in the Mining Sector
- (3) Exploration Scenario on Mineral & Mining Front
- (4) Challenges and Opportunities in Minerals, Mining & Coal Sector
- (5) Beach Sand Minerals Scenario and Properties of various Beach Sand Minerals
- (6) Improvised Blasting Design in a Surface Coal Mine
- (7) Additive Manufacturing in India – Challenges
- (8) Importance of R&D in Aluminium: World and Indian Scenario
- (9) End Use Applications of Copper – Its Challenges and Opportunities
- (10) Latest advancement in Coke Oven Battery Design for reduced environmental impact

- (11) Economic & Industrial Potential of the Sverdlovsk region by Ural Chamber of Commerce & Industry
- (12) Competitiveness of Indian Steel
- (13) Journey of Tata Steel in Energy Efficiency
- (14) Raw Material Security and Rising Imports
- (15) Challenges in Installation of Basic Oxygen Furnaces (BOF)
- (16) Focus on Industry 4.0 in the Metals Industry for digitization of Steel Production
- (17) Beneficiation Plant at Balaghat by Bateman for upgradation low grade manganese ore by jigging process
- (18) Pelletization and Beneficiation of Ores
- (19) Trends towards Increased Adoption of Pelletization and its increasing use in large BF's
- (20) Role of Pellets in Effective Utilization of low/medium grade iron ore
- (21) Quality Requirement of iron bearing burden for large BF's in the context of SAIL (RDCIS)
- (22) Reduced Sinter production Costs-Mechanical and Process Solutions
- (23) Presentation on Pellets
- (24) Dedicated Freight Corridor for movement of raw materials and finished goods – East & West Rail Corridor
- (25) Infrastructure for Metals and Minerals
- (26) Stainless Steel End-Use Evolution in India
- (27) Carbothermic Reduction of Black Sand Ilmenite to form Fe-TiC Composite
- (28) Application of Robot Spraying, Marking and Character Recognition System in High Temperature Metallurgical Field
- (29) Paul Wurth's contribution in Efficient Iron Making with Proven Technologies
- (30) High Strength Steels for Naval Application
- (31) Coal Injection in India – The Myth is Broken

A Summary & Recommendations of the Conference was compiled and sent to Ministry of Steel, Ministry of Mines and other Ministries which sponsored

the Conference. A copy of the Summary was also sent to various organizations associated with ferrous and non-ferrous sectors. This was also sent to the members of the National Council of IIM and is available on IIM Delhi Chapter Website.

Sessions Chairmen, authors of the technical papers and others associated with organizing the Conference and selected Exhibitors were suitably awarded with mementoes.

10.0 **CONFERMENT OF IIM FELLOWSHIP**

IIM Fellowship

IIM Fellowship was bestowed by IIM Headquarters to the following members of the Delhi Chapter for their outstanding contributions in the metallurgical sector. Three awards were given during the NMD/ATM meeting held at Kanpur on 14th November 2016.

- (i) Mr. K K Mehrotra
- (ii) Mr. Manoranjan Ram
- (iii) Mr. Gautam Bhatia

11.0 **NEWS LETTER**

A monthly publication "News Letter" is being published regularly by the IIM DC. The technical contributions in the newsletter have become more or less a regular feature. Technical & Publication committee headed by Mr. S C Suri has taken active interest. The technical articles and other contents are well appreciated by members associated with the Delhi Chapter. Soft copies of the News Letter are also being posted on IIM-DC website regularly. The contents of the monthly Newsletter are receiving good response and appreciation. About 500 copies of the Newsletter are printed every month and circulated to all our valued members, members of the National Council of IIM and also to various organizations in India.

12.0 **LIBRARY FACILITIES**

IIM DC has more than 800 books and journals in the library.

The following journals are being received in our library.

- 1 JPC Bulletin on Iron & Steel
- 2 Steel Tech
- 3 Minerals & Metals Review
- 4 Metals World
- 5 Metal News
- 6 Steel 360
- 7 Steel Insights

13.0 **MEMBERSHIP DEVELOPMENT**

Our Chapter has added three life members and one student member during 2016-17. Apart from this we have added one Donor Member of IIM viz. **The Institute of Indian Foundrymen (IIF). IIF has paid Rs. 1.25 lakh as donor membership fee. This is equivalent to 20 Life members. This is perhaps for the first time in the last 10 years that our Chapter has added donor member in its kitty.**

14.0 **WEB-SITES**

The web-site of IIM Delhi Chapter (**www.iim-delhi.com**) is being regularly updated. Detailed information on various activities is being posted for information of all members. In order to consolidate complete information related to MMMM Conferences, the Chapter has also created a separate website (**www.mmmmconferences.com**). Most of the papers relating to all MMMM Conferences held so far have been posted on the website.

15.0 **AMIIM EXAMINATIONS**

The AMIIM Examinations were held in the Chapter premises in June & December 2016. Mr. Gautam Bhatia was the Officer-in-Charge for both the sessions.

16.0 **NEW YEAR GET-TOGETHER**

New Year get-together was organised at our Chapter on 8.1.2017. About 60 persons along with their family members were present in the event.

17.0 **FOUNDATION DAY CELEBRATIONS**

IIM Foundation Day was celebrated by our Chapter on 25th February 2017. About 60 members including family members participated in the celebration.

18.0 **HOLI MILAN**

Holi Milan was organized at our Chapter on 18th March 2017. About 50 persons including family members of the Chapter participated in the Holi Milan.

19.0 **FACE LIFTING OF THE CHAPTER**

During the year 2016-17 a lot of face-lifting work was done to improve aesthetic look of the Chapter. This included renovation of 3rd floor, installation of lift and fixation of solar panel.

20.0 **ACKNOWLEDGEMENTS**

The Executive Committee of the Chapter expresses its gratitude and sincere thanks to all the members associated with the Delhi Chapter for their full cooperation to the office bearers and the Executive Committee. Cooperation received from the Head Office is also gratefully acknowledged. The Chapter would like to extend thanks to auditors M/s Nath & Hari for advising in the preparation of accounts and finally auditing the same.



Manoranjan Ram
Hon. Secretary