

THE INDIAN INSTITUTE OF METALS – DELHI CHAPTER
ANNUAL REPORT FOR THE YEAR 2011-12

Gentlemen,

I have the pleasure to present the Annual Report of the Delhi Chapter for the year 2011-12.

The 59th Annual General Meeting of The Indian Institute of Metals – Delhi Chapter for the year 2010-11 was held on Saturday, 6th June 2011 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 2010-11 were presented and approved.

The outgoing EC proposed the following slate of 19 members for the next EC from the list of consenting members. The following slate consisting of office bearers and members of EC and presented to the AGM, which was approved.

EXECUTIVE COMMITTEE FOR THE YEAR 2011-12

1	Mr. Anil Gupta	Chairman
2	Mr. S C Suri	Vice Chairman
3	Mr. K L Mehrotra	Vice Chairman
4	Mr. V C Singhal	Hon. Secretary
5	Mr. G Mishra	Jt. Hon. Secretary
6	Mr. G I S Chauhan	Jt. Hon. Secretary
7	Mr. Manoranjan Ran	Jt. Hon. Secretary
8	Mr. Neeraj Gupta	Hon. Treasurer
9	Mr. Ram Chandra	Jt. Hon. Treasurer
10	Mr. P K Chatterjee	Member
11	Mr. B D Jethra	Member
12	Mr. V K Tyagi	Member
13	Mr. R K Gupta	Member
14	Dr. G N Mohanty	Member
15	Mr. Raj Tiwari	Member
16	Mr. M. Saravanan	Member
17	Mr. M P Sharma	Member
18	Mr. A C R Das	Member
19	Dr. A K Srivastava	Member

ADVISORY COMMITTEE MEMBERS

1. Mr. L. Pugazhenthay
2. Mr. B R Thukral

Executive Committee Meetings

During the year 2011-12, ten EC meetings were held. Among other things, important decisions on expenditure and day to day functioning of the chapter were taken.

Constitution of Committees

The following are the Committee Head of various committees at IIM DC for the year 2011-12:

<u>Committee</u>	<u>Committee Head</u>
1. Asset Management & Resource Cell	Mr. K L Mehrotra
2. Relation & Development Cell	Mr. Raj Tiwari
3. Technical & Publication Committee	Mr. S C Suri

The following Committees and its respective committee heads and members were constituted

Asset Management Cell: Mr. K L Mehrotra - Committee Head
Dr. G N Mohanty
Mr. P K Chatterjee
Mr. V K Tyagi
Mr. V C Singhal
Mr. Neeraj Gupta
Ex-Officio Mr. Anil Gupta
Mr. V C Singhal

Relation & Development Cell : Mr. Raj Tiwari – Committee Head
Mr. R K Gupta
Mr. V K Tyagi
Mr. M P Sharma
Mr. N Vijayan
Mr. Neeraj Gupta
Ex-Officio Mr. Anil Gupta
Mr. V C Singhal

Technical & Publication Cell : Mr. S C Suri – Committee Head
Mr. G. I. S Chauhan
Mr. Neeraj Gupta
Mr. V. N. Grover
Mr. M P Sharma
Mr. M. Saravanan
Mr. R K Vijayavargia
Dr. A K Srivastava
Mr. P R Chandna
Mr. Sunil Garg
Ex-Officio Members Mr. Anil Gupta
Mr. V C Singhal

MMMM 2012

Organizing Committee : Mr. B D Jethra Chairman

MMMM2012 Core Committee

Chairman Mr. K. L. Mehrotra
Members Mr. B. R. THUKRAL
Mr. G. I. S. Chauhan
Mr. Raj Tiwari
Mr. R. K. Gupta
Mr. B.D. Jethra
Ex-Officio Members Mr. Anil Gupta
Mr. V C Singhal

Technical Activities

A Talk on Particle Engineering for the Formation of Smart Functional Fluids

The Indian Institute of Metals – Delhi Chapter organized a talk on “Particle Engineering for the Formation of Smart Functional Fluids” at IIT Delhi on 15.7.2011. The talk was delivered by Dr. Kautav Sinha of Linden Technology Centre of Infineum, USA LP. About 40 persons participated in the talk.

Talk by Mr. Y S Kapadia formerly of Tata Steel & Lurgi India

A Technical talk was held on 20th August 2011 at IIM Delhi Chapter. The title of Mr. Kapadia’s talk was “Steel Products and Processes Show-Cased at METEC 2011 Conference / Exhibition in Germany.

Mr. Kapadia in his presentation covered the status of various Iron and Steel making technologies. He also reviewed the developments in recent years in the Iron and Steel making area. About 25 persons participated in the talk.

Seminar – cum –Clinic on Computer-Aided Design and Automation in Die Casting

The Indian Institute of Metals – Delhi Chapter organized the above Technical Programme on 7th November 2011 in the new Lecture Hall premises. Around 40 delegates participated in the technical programme. The delegates were from Academic Institutions, Die Casting Units and members of IIM Delhi Chapter.

The presentations titled below were made in the technical programme.

- ✓ Automated Die- Design for Die-Casting
- ✓ Automated parting line selection: Capabilities and limitation of present computer - aided systems
- ✓ Process Simulation of Die Casting
- ✓ Computer Aided system for determination of environmental sustainability in Die casting Process
- ✓ Die Casting defects and its solutions

Technical Programme on Energy Efficiency of Re-heating Furnaces in Rolling Mills

The Indian Institute of Metals – Delhi Chapter organized the above Technical Programme on 21st November 2011 in the new Lecture Hall premises. This Programme was jointly organized by IIM-DC in collaboration with Project Management Cell of UNDP of Ministry of Steel, Government of India. Around 20 persons participated in the technical programme.

The following presentations were made in the Technical Programme.

- ✓ Use of Pulverized Coal in Re-heating Furnaces of Rolling Mills
- ✓ Measures taken to improve the Energy Efficiency in Re-rolling Mills
- ✓ Rolls – Life Line of Rolling Mills
- ✓ Roll Pass Design using Software Applications

A talk titled "Role of Nickel in Stainless Steel"

The Indian Institute of Metals-Delhi Chapter and The Indian Stainless Steel Development Association jointly organised a Technical Talk by Dr. Peter Cutler, Director, Promotion, Nickel Institute. UK. The talk was held on 14.12.2011 at India International Centre, New Delhi. About 50 members participated in the deliberations.

International Conference on Indian Steel Industry: Challenges and Opportunities

An international conference captioned "Indian Steel Industry: Challenges & Opportunities" was organised by Steel Furnace Association of India at New Delhi on 23rd and 24th March 2012. The Conference was supported by number of organisations including Delhi Chapter of Indian Institute of Metals. Around 140 delegates participated in the Conference deliberations.

Interaction Programme of Mining Sector – Challenges and Opportunities in the Decade Ahead

The Indian Institute of Metals – Delhi Chapter and International Trade and Exhibitions Events Pvt. Ltd. (ITEE) organized an interactive meet with Shri S. Vijay Kumar, Secretary (Mines), Government of India, on 27th September 2011 at India International Centre, New Delhi. The theme of the interactive meet was "Mining Sector – Challenges and Opportunities in the Decade Ahead". Around 60 participants from different organizations participated in the deliberations. The Secretary (Mines) was welcomed by Shri K V Rajan, Chairman, ITEE.

India Energy Summit 2011

The above summit was jointly organized by Indian Chamber of Commerce along with Ministry of Coal, Ministry of Power and Ministry of New and Renewable Energy on 28 & 29 November 2011 at New Delhi. About 10 (ten) members from IIM DC participated in the deliberation of the Energy Summit. The theme of the summit was "Unprecedented Energy Challenges Large Economies: Building Strategies & Solutions for a Secure Future". There were six papers presented during the session.

Workshop on "Steel Industry in India: Potentials and Technologies for Reduction of CO₂ Emissions", December 7, 2011, New Delhi

MOEF, Govt. of India and Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) jointly implement 'Advisory Services in Environmental Management (ASEM) Programme' under Indo German Development Co-operation. Under this Programme, a half day workshop on "**Steel Industry in India: Potentials and Technologies for Reduction of CO₂ Emissions**" was organized on 07Dec.2011 at The Leela Palace Hotel, New Delhi. On behalf of IIM Delhi Chapter, Mr. Neeraj Gupta Hony. Treasurer and Mr. G. I. S. Chauhan, Hony. Jt. Secretary participated in this Workshop.

North - East Business Summit

The above Business Meet was jointly organized by Indian Chamber of Commerce and Department of North East Region (DoNER), Government of India on 6th and 7th January 2012 at New Delhi.

IIM Delhi Chapter members participated in the Business Summit deliberations. Along with the two-day Conference, an Exhibition on North East was also organized.

Steel Seminar on Finex Technical Applications

FICCI and POSCO jointly organised a one day Steel Seminar on Finex Technical Applications in New Delhi on 11th January 2012. Members of EC and several members of IIM DC participated in the deliberations. About 100 members participated in the programme.

Visit to JSL Stainless Ltd, Hisar (16 April 2011)

The Indian Institute of Metals – Delhi Chapter regularly organizes visits to eminent industries in and around NCR, for benefit of its members. In this series, a team of IIM DC members visited JSL Stainless Ltd., Hisar on 16 April 2011, on invitation of IIM Hisar Chapter. The visiting members went around state of art facilities of JSL Stainless and had extensive deliberations with the office bearers of IIM Hisar Chapter. The team visited the following facilities:

- ✓ Steel Making Facilities
- ✓ Process of Production of Stainless Steel
- ✓ Hot Rolling Facilities
- ✓ Cold Rolling Facilities
- ✓ Razor and Surgical Blade Steel
- ✓ Coin Blanking Facilities
- ✓ Cupro-Nickel Complex
- ✓ Research & Development Activities

RELATION AND DEVELOPMENT CELL

Visit report: IIM – CHANDIGARH CHAPTER @ PEC University of Technology

Date of visit: 14 September 2011

Name of Delegates:

1. Mr. Raj Tiwari
2. Mr. R. K. Gupta
3. Mr. M. P Sharma

The team discussed about award of scholarships to students of Metallurgical Stream.

PRESENTATION:

After the discussion, Mr. Raj Tiwari addressed to the students with presentation on "Employment opportunities in Indian Iron and Steel sector".

Regional Co-Operation

We have floated the idea for Regional Co-operation amongst chapters in Northern India (viz. Hissar, Jaipur, Roorkee & Chandigarh). In this connection Shri Raj Tiwari and Shri MP Sharma visited the following Non-Ferrous companies in the Northern Region.

Visit Report to Non Ferrous Industries in Northern Region

Date of Visit: 15 Oct 2011

Industries Visited:

1. MAXOP Engineering Co. Pvt. Ltd. IMT Manesar, Gurgaon, Haryana
2. ASK Automotive Pvt. Ltd. IMT Manesar, Gurgaon,, Haryana

Visit of National Council to IIM Delhi Chapter on 11.10.2011

Chairman IIM DC welcomed the members of the National Council on their visit to the IIM DC on 11th October 2011 despite their tight schedule. The President and members of National Council were taken around the IIM DC building which included the Library, Board Room and the Lecture Room. After taking the round of the Institute, the President and the NC members were appreciative of the infrastructure set-up available at IIM DC. They also appreciated the upkeep of the building of the Chapter.

The President of IIM was handed over a cheque of Rs.30 lakhs on account of the savings generated from holding of the International Conference in Feb.2011 (MMMM 2011).

Chapter Level NMD Celebrations

IIM Delhi Chapter organized the Chapter Level NMD Celebrations in the New Lecture Hall of the Institute on 3.12.2011. Around 40 members participated in the NMD Celebrations.

The following presentations were made by the speakers:

- ✓ Genesis of Production and Processing of Alloy Steels for Critical Industrial Segments”.
- ✓ Continuous Improvements in Steel Plants”.
- ✓ Complex Growth Morphologies, Microstructures and Properties of Advance Aluminum Alloys, Composites and Novel Nanostructure”.

Local Level Award

Local Level Awards were instituted by IIM DC for the first time. Shri S C Suri, vice Chairman, IIM DC was the recipient of the Outstanding Dedication Services” Award.

IIM- School Students Interactive Meet & Elocution Contest

The IIM Delhi Chapter organized the School Students Interactive Meet & Elocution Contest on 27th August 2011 at the Lecture Hall, Jawahar Dhatu Bhawan. Around 60 students from six schools (Manavsthal School, St Michaels Sr Sec School, Ramjas Public School, AES Sr Sec School, Bal Bharti Public School, Mount Carmel School) participated in the interactive meet. Students were accompanied by their teachers.

Master Varun of Mount Carmel School was awarded the first prize while Ms. Namya Bajaj of Manav Sthali School and Ms. Garima Sehgal of Bal Bharti Public School were awarded the second prizes. The award winners were given mementoes and cash prizes namely Rs.3000 (first prize) and Rs.1500 (second prizes). All the participants were given commendation certificates for participation.

IIM-DC Quiz Contest “Metallica 2012”

A quiz contest “Metallica 2012” was organised at The Indian Institute of Metals Delhi Chapter on 28th January 2012.

The quiz was jointly sponsored by The Indian Institute of Metals – Delhi Chapter and Jindal Steel and Power Ltd.

The following seven Schools participated in the Quiz Contest:

- 1 Manavsthal School, Rajinder Nagar, New Delhi

- 2 Suraj Bhan Dav Public School, Vasant Vihar, New Delhi
- 3 St. Paul's School, Hauz Khas, New Delhi
- 4 Amity International School, Mayur Vihar, Delhi
- 5 A E S Senior Secondary School, Karol Bagh, New Delhi
- 6 Mount Carmel School, Anand Niketan, New Delhi
- 7 Delhi Public School, Gurgaon, Haryana

After evaluating the final round, the team from Mount Carmel School, Anand Niketan, New Delhi (Rhythm Batra and Ashish Nair) were declared the winner of the Quiz.

International Conference

Delhi Chapter has been conducting National / International Conferences supported by Technical exhibitions as composite event biennially since 1996. Eight such composite events have been organized up to 2011. The next event, namely "Resurgent India – Vision 2020 in Metals and Minerals Sector" will be held on 27-30 September 2012. In this connection an MOU was signed in August 2011 with ITEE to hold the Conference / Exhibition in September 2012. Letters were sent to National Council members December 2011 to solicit their support and participation in the conference. Further preparation work of invitation of technical papers, participation of delegates, letters for sponsorship / advertisement is in progress.

Other Activities

Holi Milan

A Holi Milan get together was organised by The Indian Institute of Metals, Delhi Chapter on 10th March 2012. The function was held at the Vasant Vihar Club, New Delhi.

The function was attended by IIM members along with their family members. About 40 persons participated in the function. Pleasantries were exchanged with the members on the occasion.

IIM Building & Lecture Hall

We have a well-furnished lecture hall with a seating capacity of around 125. The Lecture Hall which was lying unused for so many years was well furnished. This has capacity of 125. Now it is one of the attractions of IIM DC. All our technical programmes are now being held at our Lecture Hall. Earlier these programmes used to be organized outside on rental basis.

News Letter

The News Letter is being published regularly. The technical contributions in the newsletter have become more or less a regular feature. Technical & Publication committee headed by Shri S. C. Suri has taken active interest and the technical articles and other contents are being appreciated by members associated with Delhi Chapter. Soft copies of the News Letter are also being posted on IIM-DC website regularly.

Library Facilities

Our library has been shifted from ground floor to first floor. The library has about 750 publications including books. Recently IIM DC procured the following three publications:

- 1 Proceedings of International Seminar on Alternative Routes for Ironmaking in India
- 2 Proceedings of International Seminar for Ironmaking in Blast Furnaces

3 Proceedings of International Seminar for Steelmaking Technology in India

The following five journals are also being received in our library.

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

We have also installed two new computers in the library for dissemination of information for students.

Membership Development Committee

The Membership Development Committee has taken very keen interest during the year. Around twenty five new members have been enrolled during the year.

AMIIM Examinations

The AMIIM Examinations were held in the chapter premises in June & December 2011. Shri R K Gupta was the Officer-in-Charge for both the sessions.

Shri M P Sharma has been appointed as Officer-in-Charge for AMIIM Examinations for June & December 2012.

Appointment of Executive Officer

Shri Bhim Sain, Executive officer, was appointed for IIM Delhi Chapter in August 2011.

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 head office is also 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.

V C Singhal (Hon. Secretary), IIM Delhi Chapter