

## BRIEF REPORT ON SEMINAR ON 'OUTLOOK OF FERRO-ALLOYS & AUTO SHREDDING OF SCRAP'

Indian Institute of Metals - Delhi Chapter organised a Half day Seminar on 'Outlook of Ferro Alloys and Auto Shredding of Scrap' at India International Centre, Max Mueller Marg, N.Delhi on 03 February 2017. The Seminar was jointly sponsored by MOIL Ltd. and MSTC Ltd.

At the outset, Shri K L Mehrotra Chairman Delhi Chapter welcomed the participants in the Seminar. He gave an overview about the activities of Indian Institute of Metals and its Delhi Chapter and gave an overview of Ferro Alloys and Auto Shredding industries. He also introduced the Speakers at the Seminar.



Shri S C Suri, immediate past Chairman of IIM-DC, spoke on the importance of Ferro alloys in Steel Industry.

Three eminent Speakers made their Presentations on the topic.

**Mr. K K Mehrotra** Former CMD *MECON*, in his presentation, focussed on ***Auto Shredding Facilities: A need under Indian Context.*** He highlighted various steel scraps generated in Indian Industry, current shredding practices, an overview of automobile industry in India & its future outlook, Rationale for installation of Auto scrap facilities in India, global practices and salient features of Auto Shredding facilities. He concluded that such facilities need be set-up zone-wise (North, South and West) in order to optimise transportation costs and making cheaper scrap available to consumers.



**Mr. P V V Patnaik** CGM *MOIL Ltd.*, in his presentation focussed on ***Use of High Grade Ores & Sinter to reduce specific consumption of power is the need of hour for Silico manganese smelting.*** He focussed on ferro-alloy capacity in India and growing imports of ferro-alloys over a period of time. He highlighted increasing power consumption by indigenous ferro-alloy production industry



owing to utilisation of low grade ores & ferro-manganese slag in higher proportions and usage of ultra-fines. He analysed these aspects in detail and concluded that in order to reduce power consumption, beneficiation of low grade ores and sintered fines need be resorted to.

**Mr. Chirag Sindhu** DM MSTC, in his presentation focussed on ***Automotive Recycling***. He highlighted the importance of steel shredding in India to reduce dependence on imported shredded steel. He analysed that recycling of automotive vehicles would result in significant consumption of basic raw materials. He proposed integrated involvement of different Govt. agencies, vehicle owners, dealers and shredding units to carry forward automotive shredding on a large scale.



**Mr. K K Mehrotra** Former CMD *MECON*, spoke on ***Novel Approach for economic production of low alloy and stainless steel by utilising overburden of Sukinda Nickeliferrous ore***. Mr. Mehrotra highlighted the efforts made at *MECON* for economic production of low alloy/stainless steel from overburden of Nickeliferrous laterite ore deposits in Sukinda Valley and Samlipal area of Odisha. Salient features of lab scale tests at *IMMT* Bhubaneshwar and Industrial scale trials in mini blast furnace at Kalinga Iron Works, Kargil were also mentioned. He made comparative case study for conventional production methods for low alloy steel & Stainless steels vis-à-vis production of low alloy Ni-Cr-Mo E-24/E25 steel & production of AISI 302 Stainless Steel. He concluded that low alloy & SS can be economically produced utilising nickeliferrous lateritic ore/chromite burden. In addition utilisation of this overburden will reduce environmental problems.

For the benefit of all participants, Mr. K L Mehrotra, President *IIM* Delhi Chapter, showed the Presentation ***Indian Steel Industry – Present Scenario and Future Outlook***, which was made by **Ms. Aruna Sundarajan** former Secretary (Steel), Govt. of India at International Manganese Institute Madrid. The presentation focussed on Evolution of Indian Steel Industry from an insignificant Global player in 1991-92 to 3<sup>rd</sup> largest Global producer during 2015-16. It also focussed on steps taken to generate demand, policy interventions, R & D inputs and Environment protection initiatives. The future of Indian Steel Industry was also touched upon.

During each presentation, there were lively Q & A interactions with the audience.

About 50 persons participated in the programme.



All Presenters were honoured with mementos by Sh. K L Mehrotra, Shri S C Suri & Sh. Singhal on behalf of IIM Delhi Chapter.



Shri G I S Chauhan, IIM Delhi Chapter proposed vote of thanks.

The programme concluded with Lunch.