

NATIONAL INSTITUTE OF SECONDARY STEEL TECHNOLOGY,
(Estd. by Ministry of Steel, Government of India)
in association with Madras Steel Re-rollers Association
organizing
National Seminar on “Challenges and Opportunities : Energy Saving, Environment
Control and Value Addition Options in SMEs of steel sector”

on Friday, 29th January, 2010 at Hotel Sabari Inn, T-Nagar, Chennai

PROGRAMME SCHEDULE		
1.	REGISTRATION	1030 – 1100 hrs
2.	INAUGURAL SESSION	1100 – 1200 hrs
	<ul style="list-style-type: none"> ▪ Welcome Adress Shri R.K. Bagchi, Director, NISST ▪ Keynote Address Shri Nagraj Rao ▪ Special Address Shri Umesh Madan, President, MSRA ▪ Special Address Shri P.S. Nagarsheth, President, ISSSAI ▪ Special Address Shri U.P. Singh, Jt Secy, Govt. of India, Ministry of Steel and Chairman, NISST ▪ Address by Chief Guest Shri M. Sreenivasulu Reddy, M.P. ▪ Vote of Thanks Dr. R. Srivastava, Sr.Dy.Director, NISST 	
TEA BREAK - 1200 to 1215 hrs		
3.	TECHNICAL SESSION - I Session Chairman : Shri Nagraj Rao	1215 – 1400 hrs
a)	“Steel Production: Trends in India and importance of Data Bank” by Joint Plant Committee, Kolkata	1215 – 1235 hrs
b)	Status of Scrap through ship breaking in India by Shri P.S. Nagarsheth	1235 – 1255 hrs
c)	Ecotech Options for Re-rolling Sector by PMC, UNDP-GEF Project	1255 – 1315 hrs
d)	Financing Options for industry by IDBI	1315 – 1335 hrs
e)	Energy Efficient quality steel melting by Shri R.K. Bagchi	1335 – 1400 hrs
LUNCH BREAK - 1400 – 1430 hrs		
4.	TECHNICAL SESSION – II Session Chairman : Shri R.K. Bagchi, Director, NISST	1430 – 1700 hrs
a)	Latest developments in induction melting by Inductotherm	1430 – 1450 hrs
b)	Importance of Flywheel in rolling mills by Shri S.P. Singh	1450 – 1510 hrs
c)	Efficient Reheating furnace operations by Dr.R. Srivastava	1510 – 1530 hrs
d)	Evaluation of Roll Pass Design by Shri Paramjeet Singh	1530 – 1550 hrs
e)	Cost control software in re-rolling industry by Shri K.Tarachand	1550 – 1610 hrs
f)	Electrical Energy Audit in Steel Industry by Shri A.Mohindru	1610 – 1630 hrs
g)	Other Business presentations	1630 – 1715 hrs
5.	OPEN HOUSE	1715 – 1730 hrs

“CHALLENGES AND OPPORTUNITIES : ENERGY SAVING, ENVIRONMENT CONTROL AND VALUE ADDITION OPTIONS IN SMEs OF STEEL SECTOR”

INTRODUCTION

Steel being the backbone of any development is always placed high on economic scenario. Being an energy intensive commodity, manufacturing and processing of steels is drawing lot of attention on cost cutting measures through energy conservation and reducing pollution levels.

SMEs of steel sector plays a vital role in national steel scenario. In order to stay in highly competitive global as well as national markets, quality goals should be very well defined and attained. Production of value added products would provide this sector the necessary leverage in dynamic & fluctuating demand-supply situations.

The re-rolling operation in the small and tiny segment has considerable flexibility in meeting demand for small quantities of specific sections in standard or even non-standard sizes and sectional weights. Further more, these units also have the flexibility to accommodate a wide variety of input materials.

The SME units are widely spread across the country and are situated very near to respective market place. Most of the Indian steel mills are conventional type with relatively high energy consumption. The sector is currently facing twin pressures of higher end-use energy levels confronted with serious environmental threats and erosion of global competitiveness. The situation needs to be addressed immediately in its right perspective to avoid marginalization or even closure of the sector.

The Seminar covers various aspects & facets of manufacturing and rolling of steels. Special emphasis has been given towards areas like technological developments, value addition, energy conservation, pollution control, GHG emissions and products to meet global quality standards.

OBJECTIVE

There is a need to create awareness to reduce the GHG emissions through widespread adoption of low GHG emitting technologies in the SMEs of steel sector in India. It would be beneficial both for the industry and the economy as a whole and can be sustained in the long run once the barriers are removed.

The present awareness programme aims at creating a knowledge base towards accelerated penetration of low GHG emitting technologies in the SMEs of steel sector. It thereby leads to reduction in the consumption in the fossil fuels and ultimately reduction in the GHG emissions. This sector has so far been reeling under technological regression and has not ventured into adoption of integrated energy efficient technology packages.

Package should be designed to improve the energy efficiency of this sector largely through the transfer of low GHG emitting technologies both from within India and from international sources through application of advanced designs, process and production techniques and associated capacity building. As per estimate, the likely CO₂ emission potential in SMEs will be around 5.0 million and to be converted it in monetary terms, it will be more than Rs.29.58 crore.

The programme offers both refreshing and learning opportunities in practical as well as theoretical aspects in addition to inter-personal interactions. It is designed to meet the requirements of practicing supervisors, engineers and technical staff working in the SMEs of steel sector. It also offers to plan for financial resources to optimize profit.

CONTENTS

- Overview of Steelmaking and Re-rolling processes;
- Technological developments for value addition & quality production;
- Energy conservation – practices and case studies;
- Pollution Control aspects : GHG emission : Problems & Solutions.

PEDAGOGY

The pedagogy consists of interactive sessions, case studies and discussions.

FACULTY

The faculty consists of experts from industry, institutions and allied experts.

WHO MUST ATTEND

Planners, Executives, Supervisors, technical staff, shopfloor personnel engaged in the field of design, development, production, planning areas in the SMEs of steel sector as well as academicians engaged in R&D and training activities will be largely benefited by attending this programme.

BENEFITS TO STAKEHOLDER

This programme is designed to aim the following in the SMEs of steel sector:-

- Overview of the past Energy Efficiency Status of the industry and discuss the future energy efficiency scenario ;
- To disseminate understanding of Sustainable Energy Efficiency for sustainable business in India;

- To apprise stakeholder about the Technical, Financial and Investment aspect of various energy efficiency options;
- How the Energy Efficiency measures and Climate Change issues can be addressed by adopting SOPs;
- How these can maximize the benefit of business and improve IRR of SMEs & help in attaining the global climate objective of GHG mitigation.
- Avenues of financing options from leading financial institution of the country.

This programme intends to maximize the reach of various internationally renowned technologies in SMEs among the Indian entrepreneurs. It will not only cover the technology aspect but also the financial and investment aspect of various energy efficiency options.

