INTRODUCTION
This programme is being organized as a Center of Excellence in Steel Technology (CoEST) activity. Primary Steel Producers are always under pressure to deliver and meet the (quality) requirements, driven as they are by a continuous demand for higher quality products from their Customers & User Industry. Advanced High Strength Steels, High strength Line Pipe Steel plates, Plates for High Pressure Vessels and Automotive Steels are some examples of steels where there is continuous development and up gradation. Changes to Steel Chemistries and to the Rolling parameters are therefore needed to ensure that the right microstructures/ grain sizes/ phases are present in the rolled product to achieve the desired properties.

BROAD OBJECTIVES
To develop the right microstructures/ grain sizes/ phases to achieve the desired properties of HRC, CRC & Plates, Engineers/ Managers attending this course will be imparted with the necessary theoretical knowledge & metallurgical concepts in rolling technology to help them in meeting this challenge.

COURSE CONTENTS
This course is designed to encompass all phases of Hot Rolling. Participants will learn the Metallurgy involved in Slab Re-heating, Macroscopic and Microscopic aspects of the process of Rolling and Laminar cooling, Structure – Property correlations. The course consists of 5 Modules:

Module 1: Mechanical Aspects of Hot Rolling
Module 2: Macroscopic & Microscopic Aspects of Hot Rolling
Module 3: Thermal Aspects of Hot Rolling
Module 4: Simulation in Hot Rolling
Module 5: Quality Aspects of Hot Rolling

WHO MAY BENEFIT
Engineers working on the shop-floor, Quality Control Engineers and R & D personnel working in or related to Hot Strip Mill or Plate Mill Departments of a Steel Plant shall benefit from this course. For fully appreciating the course, participants should have a Bachelors degree in Metallurgy/ Mechanical Engineering and would do well to brush-up their metallurgy as well before coming.

VENUE FOR CLASSES
Course will be held at Seminar Hall, Ground Floor, Vanvihar Guest House, IIT (Bombay).

LECTURE NOTES
To fully realize the objectives of the course, the lecture notes/slides will be made available to the participants at the time of registration at IIT Bombay.

FACULTY
The teaching faculty consists of Professors from Mechanical Engineering and from Metallurgical & Materials Science Department of IIT (Bombay).

IMPORTANT DATES
1. Last date for receipt of registration form: 15th Jan 2017
2. Course dates: Monday, 6th Feb 2017 to Friday, 10th Feb 2017

REGISTRATION FEE
Rs. 28,750/- (Course Fee 25,000/- + 3,750/- Service Tax @ 15% = 28,750/-) per participant, payable by demand draft drawn in favour of *The Registrar, IIT Bombay- CEP Account* payable at Mumbai. For on-line payments, please [click here for Bank details](#).

No income tax is to be deducted at source from the course fee, as IIT Bombay is exempt from the same. The course fee includes course material, lunch and coffee/tea. A Certificate of participation will be awarded to all the participants of the course.

A Certificate of participation will be awarded to all the participants of the program.
Completed registration forms should be sent to the course coordinator at the following address:

Rajiv Asthana
Honorary Adjunct Professor, MEMS Department, and
Chief Scientific Officer, Center of Excellence for Steel Technology
Department of Metallurgical & Materials Science
Indian Institute of Technology Bombay
Powai, Mumbai – 400076 Phone: (022) 2576 4326
Email: rajiv.asthana@iitb.ac.in
Mobile: 7506152763

CEP Short Term Course on

Hot Rolling of Steels

Feb 6 - 10, 2017

Coordinator

Prof. I. Samajdar
Department of Metallurgical & Materials Science

Office of
Continuing Education & Quality Improvement Programmes
Indian Institute of Technology Bombay
Powai, Mumbai – 400 076
REGISTRATION FORM

Five-day CEP Course on

Hot Rolling of Steels

Feb 6 - 10, 2017

NAME (BLOCK LETTERS) : _______________________________________________
_____________________________________________________________________
Gender: M / F

DESIGNATION : ________________________________________________________

ORGANIZATION: _______________________________________________________

MAILING ADDRESS : ____________________________________________________
_____________________________________________________________________
_____________________________________________________________________

TELEPHONE : ____________________ (O) ____________________ (R)

FAX: ____________________________ MOBILE: __________________________

EMAIL : ____________________________

QUALIFICATIONS : _______ EXPERIENCE : _______ Yrs.

PAYMENT: D.D. No.: Dt. Rs.

[Demand draft should be drawn in favour of "Registrar, IIT Bombay (CEP A/c")].

Date: Signature of Applicant

(PHOTOCOPY ADDITIONAL COPIES OF THIS FORM, IF NEEDED)