



Name of programme: Overview of Integrated Steel Plant

Duration: 06 Days (20.04.26-25.04.26)

Days	Details of sessions	Faculty
DAY 1 20.04.26 10.-10.30 AM	Inauguration Session	
DAY 1 20.04.26 (Session 1)	Introduction to Steel Industry: Overview of global and Indian steel industry, Types of steel plants (Integrated v/s Mini steel plants), Role of steel in infrastructure and economic growth, Major public and private sector steel producers in India	Shri S Dhara DGM(ME&A)
DAY 1 20.04.26 (Session 2)	Raw Materials and Input Management: Mining, beneficiation and handling of Iron Ore (Lump & Fines)	Shri S Dhara DGM(ME&A)
DAY 1 20.04.26 (Session 3 & 4)	Raw Materials and Input Management: Use of domestic & imported coal in steel plants, Coke making, Limestone, dolomite and fluxes, Raw material logistics and storage systems, Blending of raw materials, Transportation of raw materials inside plant	Session 3: Shri P K Pankaj DGM(CCG) Session 4: Shri S Dhara DGM(ME&A)
DAY 2 21.04.26 (Session 1 & 2)	Iron Making Process: Production and functional details of Coke Oven Plant, By product plant and Sinter Plant, Utility of pellets in steel plants, Techno- economics of use of pellets in steel plants	Session 1: Shri P K Pankaj DGM(CCG) Session 2: Shri S Dhara DGM(ME&A)
DAY 2 21.04.26 (Session 3 & 4)	Iron Making Process: The process, components, and operations of Blast Furnace (BF), Hot metal handling and quality parameters, Generation of BF Slag and its granulation	Shri S Sudhir AGM(BF)
DAY 3 22.04.26 (Session 1 & 2)	Steel Making Process: Basic Oxygen Furnace (BOF/LD Converter), Electric Arc Furnace (EAF), Secondary steelmaking (ladle refining, degassing) & BOF Slag management; Casting: Continuous casting process	Shri Abhinandan Chatterjee DGM(SL&R) & Shri Kumar Abhishek Sr. Mgr. (SM&C)
DAY 3 22.04.26 (Session 3 & 4)	Rolling Operations: Types of rolling mills (hot rolling, cold rolling), Long products and flat products & Quality control during rolling	Shri Sanjeev Kumar GM(SR) Shri Praveen Kumar Sr. Mgr(SR)
DAY 4 23.04.26 (Session 1 & 2)	Mechanical, Electrical & Instrumentation Functions: Mechanical maintenance systems, Electrical power distribution and substations, Automation and instrumentation & Preventive and breakdown maintenance	Sri Balakrishna Bisoyi, GM (Mech)/ Sri Amitabha Ganchoudhuri, GM (Elect)
DAY 4	Utilities and Auxiliary Services: Power plant and energy management, Water	Sri Jambula Kamal Reddy, DGM (PC&A)/ Sri

Tea Timing : 10:45 hrs & 15:30 hrs

Lunch Timing : 13:00 hrs – 14:00 hrs

Note: Session starts @ 10:00AM



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23.04.26 (Session 3 & 4)	management and recycling, Compressed air and gas management & Oxygen plant functions, Quality Control and Product Certification: Quality assurance systems, Testing laboratories, ISO, BIS, and customer specifications & Defect analysis and corrective actions.	Somraj Chakravarty, DGM (U&S)
DAY 5 24.04.26 (Session 1 & 2)	Role of PPC in Steel Plant, Preparation of Annual Business Perspective, Production Performance based on ABP Safety, Health & Environment: Industrial safety practices, Occupational health management, Environmental management systems & Waste management and pollution control	At BSL
DAY 5 24.04.26 (Session 3 & 4) At BSL	Commercial & Finance Functions: Procurement and inventory management, Costing and budgeting in steel plants, Sales, marketing and dispatch of finished products	At BSL
DAY 6 25.04.26 At BSL	Field visit for the participants	At BSL

Tea Timing : 10:45 hrs & 15:30 hrs

Lunch Timing : 13:00 hrs – 14:00 hrs

Note: Session starts @ 10:00AM