



# WEEKEND TALK

WEEK – 15  
No Participation Fee



## On Safety Engineering, Management and Analytics (SEMA)

Centre of Excellence in Safety Engineering and Analytics (CoE-SEA), IIT Kharagpur

CoE-SEA, IIT Kharagpur presents online “Weekend Talk on Safety Engineering, Management and Analytics (SEMA)”. The aim of this event is to disseminate the gamut of knowledge, information and good practices in SEMA to the stakeholders so that they could implement the latest analytics-based safety management systems at the workplaces.



Mr. Neeraj Kumar Sinha, Chief Safety, Tata Steel Limited

## TOPIC: PREVENTION THROUGH DESIGN APPLIED TO MAJOR CONSTRUCTION PROJECTS: CASE STUDY FROM TATA STEEL



Prof. V K Tewari  
Director, IIT Kharagpur



Prof. J Maiti  
Chairman, CoE-SEA



Prof. O B Krishna  
Convener



[Click here to join](#)

**Moderators:** Mom Mitra, Tata Steel. and Souvik Das (7384804020), Ashish Garg (7477514701), Sinjana Choudhuri, IIT Kharagpur  
**Contact us:** coesea2020@gmail.com

**Date**  
September 10, 2021

**Time**  
8.00 pm -9.00 pm (IST),  
10.30 am - 11.30 am (EDT),  
9.30 am - 10.30 am (CDT),  
7.30 am - 8.30 am (PDT),  
4.30 pm – 5.30 pm (CET)



# WEEKEND TALK

WEEK – 15  
No Participation Fee



## On Safety Engineering, Management and Analytics (SEMA)

Conducted under  
“AZADI KA AMRIT MAHOTSAV”  
- 75 years of India’s Independence



### TOPIC: PREVENTION THROUGH DESIGN APPLIED TO MAJOR CONSTRUCTION PROJECTS: CASE STUDY FROM TATA STEEL

Mr. Neeraj Kumar Sinha is responsible for driving Safety across Tata Steel India. Mr Sinha joined Tata Steel as a Graduate trainee, and has experience in Mechanical Maintenance, Engineering & Projects and TQM. He has worked as Chief Projects (Coke Environment & Energy) prior to his current assignment as Chief Safety. He has an experience in both Green field and Brown field projects. He was part of the team responsible for designing, engineering, erecting and commissioning of Coke plant Battery 10&11 and By-product plant project at Tata Steel, Jamshedpur and Battery 1&2 and By-product project at Tata Steel Kalinga Nagar, Odisha. Apart from this he has also worked in Project Procurement as Chief, Project Procurement and has spent time in Vendor development, negotiation, contracting and ordering for capital Projects. He is passionate about Safety and Environment, he has completed many environment projects related to air pollution, zero water discharge, and solid waste utilisation at Sinter Plant, Blast Furnaces and Steel Melting shops at Tata Steel. His Past experience are implementation of improvement activities like Total Productive Maintenance (TPM), Six sigma, Theory of Constraint (TOC), etc. He was also involved in JJ Irani Excellence in Education & Tata Business Excellence Model (TBEM) as an assessor in the initial years. He has co-authored couple of technical papers. One of his paper titled “Charging and pushing emission control in recovery type-stamp charged coke oven battery” has been presented in METEC & ESTAD, Germany and published in Steel & Metallurgy: A monthly publication on Steel & Metals.

Prof. J Maiti  
Chairman, CoE-SEA

Prof. O B Krishna  
Convener



**Mr. Neeraj Kumar Sinha,**  
Chief Safety, Tata Steel  
Limited

[Click here to join](#)

**Moderators:** Mom Mitra, Tata Steel. and Souvik Das (7384804020),  
Ashish Garg (7477514701), Sinjana Choudhuri, IIT Kharagpur  
**Contact us:** coesea2020@gmail.com

**Date**  
September 10, 2021

**Time**  
8.00 pm -9.00 pm (IST),  
10.30 am - 11.30 am (EDT),  
9.30 am - 10.30 am (CDT),  
7.30 am - 8.30 am (PDT),  
4.30 pm – 5.30 pm (CET)