BUREAU OF INDIAN STANDARD
METALLURGICAL ENGINEERING DEPATMENT

Webinar
on

ADVANCED INSTRUMENTAL TECHNIQUES FOR CHEMICAL ANALYSIS OF METALS & ORES

OUR SPEAKERS

Shri Jatin Kumar Mohapatra
Sr. Area Manager RAC – 2, Tata Steel Limited, Jamshedpur

Dr Sanjukta A. Kumar
Scientific Officer(H), Head & Professor, HBNI, BARC

Dr B.S. Sundar Daniel
Professor, Dept. of Metallurgical & Materials Engg., IIT Roorkee

Dr Suresh Sundaramurthy
Associate Professor & Head of Chemical Engineering, MANIT, Bhopal

Shri Vipul Bohara
Scientist 'C' & Deputy Director, Metallurgical Engg. Dept., BIS

FRIDAY, 27 MARCH 2026
FROM 10:30 AM TO 01:00 PM

011-2360-8264 mtd34@bis.gov.in www.bis.gov.in

Webinar on ***Advanced Instrumental Techniques for Chemical Analysis of Metals & Ores***

Date : 27 March 2026 **Timings: 10:30 AM – 01:00 PM**

Programme Schedule

Sl No.	Item	Duration	Time
1	**Welcome Address** **by** **Dr Sanjukta A. Kumar** Scientific Officer(H), Head & Professor, HBNI, BARC	15 Mins	10:30 AM to 10:45 AM
2	**Indian Standards on Chemical Analysis of Metals** **by** ***Shri Vipul Bohara*** Scientist-C, BIS	15 Mins	10:45 AM to 11:00 AM
3	**Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry** **by** ***Shri Jatin Kumar Mohapatra*** Sr. Area Manager RAC – 3 Scientific Services, Tata Steel Limited, Jamshedpur	40 Mins	11:00 AM to 11:40 AM
4	**Elemental Analysis Using EDS in SEM: Techniques, Capabilities, and Limitations** **by** ***Dr B S Sundar Daniel*** Professor, Dept. of Metallurgical & Materials Engg., IIT Roorkee	40 Mins	11:40 AM to 12:20 PM
5	**Multi-Technique Chemical Characterization of Nickel in Lateritic Ores and Industrial Alloys: From Composition to Ultra-Trace Analysis** **by** ***Dr Suresh Sundaramurthy*** Associate Professor & Head of Chemical Engineering, MANIT, Bhopal	40 Mins	12:20 PM to 1:00 PM
Vote of Thanks			

INSIGHTS

This webinar highlights advanced analytical techniques for metals and ores, featuring expert insights on modern tools like Spark-OES and SEM-EDS for accurate material characterization and industrial applications.

HOW TO REGISTER

You are invited to attend the webinar and we will be grateful to receive your confirmation in this regard, by filling the registration form before 25 March 2026.

Register online using the link : registration link

Registration is free, however, due to limited seats it is on first come first serve basis.

For any queries kindly contact:

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