

Profile

Prof. (Dr.) Satish Kumar Sinha, FIE

Age – 48 years

Fellow, Institution of Engineers (FIE), worked as mining engineer in different coalfields for a decade as coal production manager as well as environment engineer before joining Indian Institute of Coal Management (IICM) Ranchi as faculty on Mining, Safety, Sustainability and Six Sigma Quality.

He has been the Editor of a Mining journal (CMTM- Coal Mining Technology & Management) for two decades and also the Editor of a Management journal (Gondwana) published from Indian Institute of Coal Management Ranchi.

He has to his credit over twenty five papers published at various international forums like World Environment Foundation, Greentech, IIT Kharagpur, ISM Dhanbad, ASSOCHAM, MGMI, International Mine Ventilation Congress India and South Africa, University of Wollongong, New South Wales, Australia and Copenhagen Climate Change Summit, International Mine Ventilation Congress,.

A visiting faculty in professional institutes like, Birsa Agricultural University, Xavier Institute of Social Services, Administrative Training Institute (SKIPA) Ranchi, Central Coalfields Limited, Bharat Coking Coal Limited, Eastern Coalfields Ltd., Calcutta Energy Supply Corporation etc.

Awarded PhD (Mining Engineering) from Indian School of Mines (ISM) Dhanbad **in August 2014.**

(...detailed resume is given in the following four pages.)

Dr. Satish Kumar Sinha, FIE

Mobile: 8002114960
sinhasatish@hotmail.com

Personal Details

Date of Birth: 01-07-1967

Marital Status: Married

Wife: MBA (Rural Development)

Children: Two- in Class Standard XII & Standard X

Address: IICM, Kanke, Ranchi- 834 006

1. *Academic Details*

- Ph.D. (Mining Engineering) Indian School of Mines (ISM) Dhanbad,
- Fellow, Institution of Engineers (FIE)
- Bachelor Degree in Engineering (Mining), 1990
- P.G. Diploma in Finance Management
- P.G. Environment Engineering Course, 1993 (Indian School of Mines Dhanbad)

2. *Statutory Certificate*

- First Class Mine Manager's Certificate (Coal) from Directorate General of Mines Safety (DGMS), Ministry of Labour & Employment, Government of India (GOI)

3. *Other Certification Courses*

- Six Sigma Quality Improvement Course (Black Belt Certification), awarded by National Productivity Council, Ministry of Commerce(GOI)
- Certification in Environment Auditing & ISO 14000 (Environment Management System) by Quality Management International (QMI)
- Certification Course in "Kaizen" by Japan Management Association Management Inc. (JMAM)

4. *Work Experience*

Worked in Coal Mining Projects and at Indian Institute of Coal Management in different capacities as detailed below

(a) **Junior Executive Trainee (Mining Engineering)**

Joined Central Coalfields Limited (CCL- a subsidiary of Coal India Ltd.) on 26-02-1991

Posted at CHURI Underground Coal Mine (North Karnpura Coalfield)

Reporting Line: Functionally reporting to Dy. General Manager (Mines)/Project Officer in matters of coal production and safety work undertaken during the working shift.

(b) **as Junior Mining Engineer and Under Manager**

Worked as Mine in-charge at HENDEGIR Colliery (South Karnpura Coalfield) CCL.

Reporting Line: Reporting to Manager (Mines), Agent and Chief General Manager

Responsibility: Coal production together with ensuring high standard of safety in mine

(c) **as ACM (Mining and Environment), at Kathara Area, CCL.**

- at Jarangdih Underground Coal Mine working with “Depillaring with Caving”
- Responsible for Environmental obligations of 4 Opencast mines, 12 underground mines, 2 coal washeries and 1 Captive Power Plant operating in Kathara Area.
- Liaison with Govt. authorities/State Pollution Control Board (SPCB), CPCB, MoEF, DFOs’ Secretariat, for Forest clearances/Environmental compliances.

Reporting Line: Reporting to the Manager (Mines) of Deputy Chief Mining Engineer and Chief General Manager of the Area.

(d) **Indian Institute of Coal Management (IICM) Ranchi** since 26.11-1997

Job Profile

- Editor- Mining Journal (CMTM- Coal Mining Technology and Management), published from IICM, Ranchi

- Editor- “Gondwana” – an IICM Journal on Management Perspectives.
- Senior faculty of:
 - ❖ Mining, Mines Safety, Risk Assessment, Safety Management System, Disaster Management
 - ❖ Environment and Sustainability
 - ❖ Climate Change and Carbon Market
 - ❖ Six Sigma Quality Standards
- Programme Designer and coordinator of
 - Mining, Mines Safety, Environment and Sustainability, Project Management Programmes
- As Facilitator/Anchor of Seminar/Thematic Workshops
 - Mine Consultancy to Rajasthan State Mines & Mineral Limited (RSMML).
 - Mine Vocational Film Preparation ---on Underground Mine Support
(04 films of 40 minutes duration each)
- Prepared NTPC and ADANI Mining graduates for obtaining IInd Class Mine Manager’s DGMS certification by providing one year long training and supervision (Class room and on the job training)
 - "Papers" presented on
 - a. Risk Management and safety Management System in Mines
 - b. Environment Management
 - c. Innovations in Coal and Mining,
 - d. Six Sigma applications in Mining
 - In International/National Seminars and Conferences held at
 - World Environment Foundation (WEF), New Delhi;
 - Indian Institute of Technology, Kharagpur,
 - Indian School of Mines, Dhanbad
 - International Mine Ventilation Congress 2009 (IND) & 2014(S Africa)
 - University of Wollongong, New South Wales, Australia.
 - Copenhagen Climate Summit (COP-15) (Dec 2009), Denmark

5. *IT skills*

- MS-Office, MS-Project (Project Management)

6. Special Attributes

- Technical paper published in International Mining Referred Journal “Archives of Mining Sciences’ Volume 58, Issue 4, in Dec 2013, published from Poland
- Paper presented in 10th International Mine Ventilation Congress, Sun city, South Africa (2-8 Aug 14).
- To Copenhagen Climate Change Summit in FICCI delegation team. Presented a Paper on Coal Mine Methane as Clean Development Mechanism (CDM) initiative.
- Presented paper in seminar “Coal 2008” on Risk Management in Mines-Six Sigma approach at University of Wollongong, New South Wales, Australia
- Association as Faculty on Mining, Environment, Sustainability, Disaster Management and Six Sigma with Central Coalfield Limited, Bharat Coking Coal Ltd, Calcutta Energy Supply Corporation (CESC), NTPC, TISCO, Birsa Agriculture University, Administrative Training Institute SKIPA, Govt. of Jharkhand, IGNOU etc.
- Work in areas of reducing Carbon footprints, Environment and Sustainability in Coal/Energy Sector.
- Filed a Patent on Mining technology for fire prevention.
- Contributed article in Book published from Bloomsbury

7. Countries Visited

- Australia in 2008
- Europe (Sweden, Denmark, Switzerland) in 2009
- South Africa 2014

8. Governing/Advisory Status

- As Board Member, (Hazardous Waste Recycler Committee), Jharkhand State Pollution Control Board (JSPCB)
- Member, State Advisory Group (Climate Change), MoEF & CC, Forest Department (Govt. of Jharkhand)

(Satish Kumar Sinha)

