

## **Contribution to Book/technical Magazines/Papers/Review/Articles**

- 1) Coal Bed Methane - Alternate Energy Resource (in Hindi), CMPDI Publication (2011)
- 2) Appointed as Reviewer of FRAGBLAST-10 (International Explosives & Blasting Seminar held in November 2012 at New Delhi)
- 3) A Critical analysis of application of ANFO and ANFO Blends in opencast coal mine blasting in India – VISFOTAK, December, 2011.
- 4) Analysis of peak particle velocity recorded at Underground mine roof generated by nearby surface blasting – A case study FRAGBLAST 10, November 2012, New Delhi
- 5) “Underground Coal Gasification : An Indian perspective”, World Coal May 2012.
- 6) “Slope stability : Mitigating risk in dragline dump slopes” presented in Seminar on “Slope Stabilisation Challenges in Infrastructure Projects” organized by Central Board of Irrigation and Power, New Delhi 20-21, October 2011.
- 7) “Augmentation of Indigenous Coking Coal availability by washing of LVMC coal of Jharia and East Bokaro Coalfields” – Journal of Coal Preparation Society of India.
- 8) “Effective utilization of beneficiated LVHR Coking coals and low rank Indian coals for BF coke making” – Minetech Jan-Mar 2011, Vol 32, Page 3-12.
- 9) Challenges & Opportunities for Underground Coal Mining in India (Key note address published in the Journal of Mines Metals & Fuels in March-April 2011)
- 10) “Resurgence of Coal Mining in Orissa – Prospects & Challenges ahead” July/Sept. -2010 (Volume 31, No. 3, Page 3 to 14) of Mine Tech.
- 11) Growth perspective of Coal Sector in India – Paper published in the Proceedings as well as presented during the 3<sup>rd</sup> Asian Mining Congress held during 22-25, January 2010 organised by MGMI, Kolkata.
- 12) “Towards efficient and safe Mining” published in the February 2010 issue of GIS Development magazine.
- 13) “Coal Mine Methane Demonstration Project at Moonidih : A Success story” – paper published in the Proceedings of 3<sup>rd</sup> Asian Mining Congress organized by MGMI at Kolkata in January 2010.
14. “Use of LVMC Coals in BF Coke making to improve availability of Indian Coking Coals” – Paper Published in Asian Mining Resurgence: Prospects & Challenges, MGMI, 2010 Vol II Page 259 to 267.
15. “Jharia Mine Fire : Challenges and Strategies” published in the Proceedings as well as presented in 9<sup>th</sup> International Mine Ventilation Congress” held at New Delhi during 10-13 November, 2009.

- 16) “The successful implementation of CBM Recovery & Utilisation Project by CMPDI/BCCL at Moonidih Mine” during 2<sup>nd</sup> CBM Annual Conference held at Singapore from 18-22 August, 2009.
- 17) “Coal Bed Methane: A Clean Energy Resource for Sustainable Development” – Paper published in Petroview, Volume-2, December 2008 (a quarterly journal of DGH) and presented at NITK, Suratkal.
- 18). “Coal Mine Methane Demonstration Project at Moonidih: A step forward towards development of CMM in India” – Proceedings of International Conference on Advanced Technology in Exploration and Exploitation of Minerals, February, 2009.
- 19). “Coal Exploration : Expanded requirement in India” – Paper published in the year 2008-09 in Journal of Mines, Metals & Fuels and Indian Journal of Power & River Valley Development and presented at International Conference on coal for power and steel – options for India.
- 20). “Coal Exploration of future UG mining in India” – in 2008-09 the Paper was presented at MGMI, Delhi Chapter.
- 21). Strategic Management for Coal Sector – at ISMU, Dhanbad on 2008-09.
- 22). Gainful utilization of washery rejects (Proceedings of 2<sup>nd</sup> Asian Mining Congress organized by MGMI, Vol. I, 2008, Page 87-92
- 23). Development of mechanized underground mining technology (Proceedings of 2<sup>nd</sup> Coal Summit organized by India Energy Forum, MGMI & Indian Coal Forum, 2007, Page 74-79).
- 24). A Retrospect of underground coal mining in India (Published in Minetech Vol 21, No. 2, March-April 2000).
- 25). Fire & Subsidence in Raniganj & Jharia Coalfield – A Review & Solution (Published in Minetech Vol 20, No. 6, November-December 1999).
- 26). Powered Support – Condition testing and Overhauling (Published in Minetech Vol 11, No. 4, July-August 1990).
- 27). Mechanization of roadway drivage with particular reference to Moonidih Project (IMMA Review, Vol. XXII, January 1983).
- 28). Experience with self-advancing supports at Moonidih Colliery (Published in Minetech Vol. 4, September 1980).
- 29). Training of operational people for mechanized Longwall mining (In Symposium on training of personnel for the mineral industry organized by MGMI, February 1980).
- 30). Scheme of Developing seams below water logged workings (Published in Journal of Mines, Metals & Fuels in January 1977).
- 31). Some comments concerning thick seam mining in Jharia Coalfield (In International Symposium on thick seam mining in Jharia Coalfield, ISM, 1977).

