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**17-18 December 2021 : AKS University, Satna**  
**NATIONAL SEMINAR ON SUSTAINABLE DEVELOPMENT OF MINERALS & COAL RESOURCES**  
**Annual Awards**  
**and**  
**Diamond Jubilee Celebration Function on 18 December 2021**

**Knowledge Partner**



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Jabalpur Chapter



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### Knowledge Partner

AKS University, Satna(MP) is imparting state-of-the-art education in engineering, agriculture, life sciences, IT, MBA, Social Sciences in addition to conducting Research and Industrial consultancy. Its Mining Engineering department in less than eight years time had emerged as a prominent mining education department imparting Diploma, B.Tech, M.Tech and Ph.D programs. It had also taken up several consultancy and research programs. We extended consultancy services to NTPC, NMDC, JSW, JSPL, ACC Ltd., Utkal Alumina, Hindalco Industries Ltd., Saurashtra Cement, Shri Digvijay Cement and others. We were associated with ICOMS organized by NCL.

### Local Organising Team

A.K. Mittal, Director (T)  
P.K. Palit, Director, Mining Res.  
S.Dasgupta, Associate Prof. Mining  
P.C. Tiwari, Associate Prof. Mining  
G.C. Mishra, Director, Cement Tech.  
Dr. B.K. Mishra, Head, Mining  
Sonu Soni, Head, IT Infra.  
Dr. Pankaj Shrivastava, Head, Mech.  
Rama Shukla, Head, Electrical  
Akhilesh A. Wao, Head, CS(IT)  
Dr. Neelesh Rai, Head, Physics  
Dr. Kamlesh Chaure, Head, Biotech  
Vishitosh Bajpayee, Head, Civil  
Dr. Mahendra Tiwari, Head, Env. Sc.

R.K. Shrivastava, Administrator, FE&T  
Dr. G.K. Pradhan, Dean FE&T  
Mahish Agrawal, Coordinator, Dean FE&T

Pragya Shrivastava, Faculty, CS(IT)  
Dr. Sandeep Prasad  
J.N. Singh, Faculty, Mining  
V.S. Ram, Faculty, Mining  
Awadhesh Pandey, Faculty, Mining  
Ajeet Mehra, Faculty, Mining  
P.S. Tiwari, Faculty, Mining  
Anand Pandey, Faculty, Mining  
Akash Gupta, Faculty, Mining  
Diwakar Dubey, Faculty, Electrical  
Atuldeep Soni, Faculty, Electrical  
Gauri Rachharia, Faculty, Electrical  
Ashutosh Dubey, Faculty, Electrical

At Satna you can Visit Maa Sharda Devi Temple (Maihar), Panna National Park,  
White Tiger Safari (Mukundpur, Rewa), Chitrakoot & Khajuraho

Vindhya Region a part of Ramayana Circuit is rich for its huge reserves of Limestone, Diamond, Bauxite and other industrial minerals. It is located adjoining to Singauli Coalfields & SECL Coal Mines. Diamond Jubilee Celebration is being held at AKS campus to come closer to the academics, mines and industries around Satna-Rewa-Jabalpur region and students of AKS University.

## **Main Theme**

Sustainable Development

- Mining & Exploration Techniques  
(Role in UG & Surface Mining)
- Rock Excavation
- Coal/Ore Processing
- Ecology & Environmental Issues

## **Sub-Themes**

- Climate Change - Initiatives
- Mine Planning, Role of IT
- Mine Closure
- Blast Face Mining
- Explosives & Blasting
- Energy Conservation in HEMM
- High Wall Mining
- Surface Mining & BWE Technology
- Environmental Management
- Role of Bio-Technology in Bio Restoration etc.
- Mines Safety (Management - Assessment - Audit)
- Dual Fuel / Hybrid Engines
- Electric Vehicles

Authors are requested to send their papers by 8th December 2021 to -  
gkpradhan58@gmail.com, Mobile : 8120003355

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Rs. 7000/-

Rs. 3000/- (Research Scholars, PG Students)

Rs. 600/- (Students)

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## ANNUAL AWARDS 2020 & 2021

The IME Journal had instituted Awards for felicitating the Earth scientists, Mining & Allied Managers/Engineers in recognition of their contributions to Indian Mineral Industry

The Annual Awards for 2020 & 2021 will be presented on 18th Dec. 2021

- (A) Diamond Jubilee Awards
- (B) Life Time Achievement Awards
- (C) Prof. H.R. Ani Reddy Memorial Award for Mining Research
- (D) Dr. P.N. Bose Award for Geo Science
- (E) Mining Innovation Awards for Underground Coal & Metal Mining, Surface Mining (Coal & Non-Coal)

### We had facilitated & Presented Annual Awards to :



Prof. A.K. Ghose



P.K. Lahri, IAS (Rtd.)  
ISM



S.N. Padhi  
DGMS



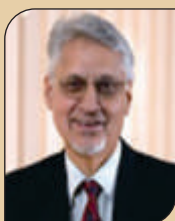
Prof. D.P. Singh  
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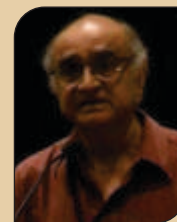
Dr. N.K. Nanda  
NMDC



Shantilata Sahoo  
NCL



Tuhin Mukherjee  
Essel Mining



V.S. Rao  
Tata Steel



G.P. Kundargi  
MOIL



Prof. Manoj Pradhan  
NIT, Raipur



Prof. N.R. Thote  
VNIT



Dr. Meda Venkataiah  
MSPL



Vilas Teggi



Gopal Singh  
CCL



Dr. H.S. Venkatesh  
NIRM

## Mining Innovation Awards for Underground Coal & Metal Mining, Surface Mining (Coal & Non-Coal)



Baphlimali Bauxite Mines



TRB Iron Ore Mines



Joda East Iron Mines



Jhanjra Coal Mines



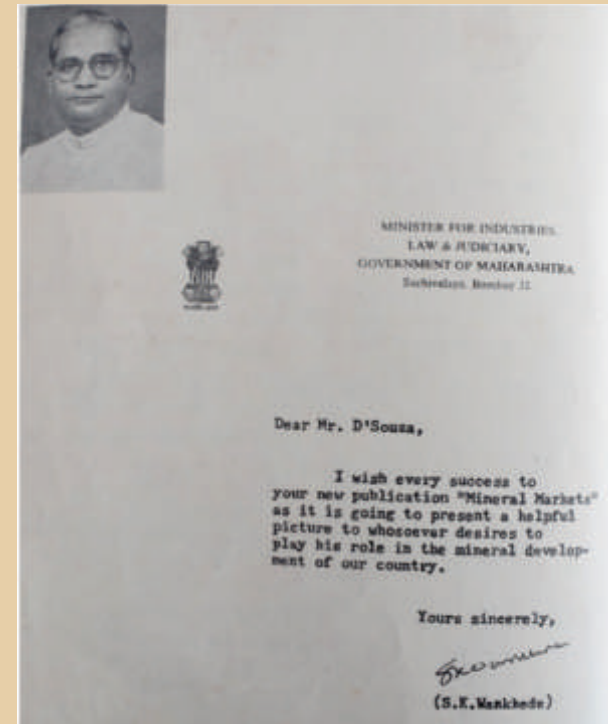
## History

The Indian Mining & Engineering Journal was initially published as MINERAL MARKETS till December 1965. It was published from Bombay under the Editorship of Mr J.F.de Souza a professional geologists. The publication at Bombay continued till 1993. In 1993, it was shifted to Bhubaneswar and a new management had taken its ownership.

After the formation of MINING ENGINEERS' ASSOCIATION OF INDIA in 1957, the MEAI Council had adopted a resolution to retain The IME Journal as its Official Organ since 1965 till August 1999.

Since 1993, the Bhubaneswar publication has spread its wings into holding National and International level Seminars and Workshops at regular interval. The first International Seminar was held at New Delhi as ENVIROMIN'94-International Conference on Environmental Issues in Minerals and Energy Industry. The then Union Steel Minister Shri Santosh Mohan Dev was the Chief Guest alongwith Sri Balram Singh Yadav, Minister of Mines and Sri Giridhari Gomango, Union Minister for Program Implementation were the Guest of Honour.

The journey from 1993 till date has been full of new challenges and the editorial team comprising of some of the best brains had took all the pain to make the Journal brant and meet the need of the Mining fraternity. In 1996, the Journal organized DRILL BLAST'96 at Bhubaneswar where the then DGMS Mr V.K.Mahajan had inaugurated the Seminar and was the Chief Guest.





Inaugural Session in Progress, seated L-R: Sri A.S. Ghoshal, CCE, Sri R.S. Mallik and others



Inaugural Session in Progress, seated L-R: Sri N.S. Mallik, Dr. B. Mohanty, Sri V. Mahajan, Sri S.K. Sen & Prof. A.K. Ghose



Sri K.K. Sengupta, Director (Tech) MCL, addressing the gathering / MEA Bhubaneswar Chapter Inauguration



Inaugural Session in Progress, seated L-R: Sri S.K. Sen, CMD NCL, Prof. A.K. Ghose & Dr. B.B. Dhar, Director CMRI



Audience view



President handing over MEA Bhubaneswar Chapter Banner to Prof. S. Acharya, Chairman of Bhubaneswar Chapter



V Mahajan  
Director General

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भारत सरकार  
GOVERNMENT OF INDIA

श्रम मंत्रालय  
MINISTRY OF LABOUR

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DIRECTORATE GENERAL OF MINES SAFETY

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### MESSAGE

It is a matter of great pleasure that a National Seminar on Drilling & Blasting is being organised at Bhubaneswar on the 20<sup>th</sup> & 21<sup>st</sup> September 1996.

In the present economic scenario of our country, the mining industry in India needs some fresh and innovative approaches for enhanced mineral production. Rock blasting techniques and its fruitful utilisation for optimum production undoubtedly has a very important and significant role to play at this juncture. Over the years significant research into explosives and blasting techniques have given us valuable insight into the domain of blasting and use of explosives. However, the quest for better, safer, more efficient explosives and optimum blast techniques continues.

As mining industry faces mounting challenges of winning minerals and metals from more difficult, may be leaner and deeper orebodies, better blasting technology has to come to the rescue of the professionals for sustaining the mineral production activity at ever increasing rate.

Highly skilled manpower, powerful machines, better blasting techniques, precise designs etc. are the key elements of modern mining activities. In this backdrop, we must have adequately and appropriately designed systems with better safeguards, more stringent vigilance and greater awareness in order to keep our activities "SAFE".

I am sure that established & successful professionals in the mineral industry will use their collective wisdom during the next two days and break much needed new paths in the areas of drilling & blasting for objective and meaningful growth of the industry.

I wish "Drill-Blast '96" all success.

  
( Vinay Mahajan )

To:  
Shri J K Hota  
Organising Secretary, "Drill-Blast '96"  
The IM&EJ,  
Laxmisagarpuram  
Bhubaneswar- 751 006  
Orissa



Most major Mining organizations, statutory bodies, Government Departments and Research and educational institutions had enriched our Journal and the content of the seminars through dissemination of new technologies for safe and sustainable mining.

Directorate General of Mines Safety had immensely supported us in strengthening our technical content and also senior officials took part in the Seminars to spread the message of Safety and Technology amongst all sections of Mining. We received



Honourable Governor of Jharkhand Draupadi Murmu was Chief Guest at our Seminar at Ranchi

excellent support from Shri V. Mahajan, DGMS; Shri A.K.Rudra, DGMS and Shri S.N.Padhi DGMS. Other senior officials also sent their MESSAGES, wrote technical papers and took active participation in our endeavor.

The **50<sup>th</sup>** year GOLDEN JUBILEE CELEBRATION of its publication was celebrated at Raipur where the then Chief Secretary of CG government was the Chief Guest. It was sponsored by organisations like NMDC Ltd, Mahanadi Coalfields Ltd.

**National Workshop on Safety Management of Mining** held at Ranchi during 23-24 June 2018 was inaugurated by Honourable Jharkhand Governor Madam Draupadi Murmu, in presence

several distinguished Mining Engineers/Administrators.

**1989 : Special Volume was published the Proceedings of 3<sup>rd</sup> National Seminar on Surface Mining (4-5 Dec), Org. by Deptt. of Mining, ISM (Under the Convenorship of Prof B.K.Mozumdar)**

**1991 : Blasting Safety Manual, Authored by M.S.Sandhu & G.K.Pradhan, Bhubaneswar**

**1992 : Published the Proceedings of 4<sup>th</sup> National Seminar on Surface Mining (4-5 Dec), Org. by Deptt. of Mining, ISM**

**1994 : Published Procc. of -**

Workshop on Testing of Permitted Explosives' 7-08 February, Org. by DGMS, Dhanbad.

**1994 : ENVIROMIN'94-International Conference on Environmental Issues in Minerals and Energy Industry, 24-26**

October, at SCOPE Convention Centre, New Delhi.

**1995 : Published** : Workshop on Innovative Mining Practices, Organised by Centre of Advanced Studies in Mining Engineering, ISM, 3-4 November.

**1996 : DRILL BLAST'96** - National seminar on Drilling & Blasting, Hotel Kalinga Ashok, 20-21 Sept, Bhubaneswar.

**1996 : Explosives & Blasting Techniques**, 1<sup>st</sup> Edition, by G.K.Pradhan (3<sup>rd</sup> & 4<sup>th</sup> Edition, Sponsored by AKS University)

**1997 : MINESAFE** : Conference on Mines Safety & Mechanisation in Surface Mines, 28-29 Nov., Hotel Kalinga Ashok, Bhubaneswar.

**1999 :Published** the Procc. of National Seminar on Mining, Machinery : Present, Status & Future Development, Org. by Deptt. of Mining Machinery, ISM(26-27 Dec), Dhanbad.

**2000 : DRILL BLAST'99** – National Seminar on Drilling and Blasting for the Next Millennium, 17-18 Jan, Hotel Kalinga Ashok, Bhubaneswar.



**2001 : RockEx 2001** : National Seminar on Rock Excavation Techniques, 21-22 September, Hotel Swosti, Bhubaneswar. Chief Guest at the Inaugural function Shri A.K.Rudra, DGMS.

**Sri Braja Kishore Tripathi, Union Steel Minister, Chief Guest at the Valedictory function and launching of The IME Journal Reader's Forum at RockEx 2001** : (Standing L-R :

G.K.Pradhan, Sri S.N.Padhi, Sri B.K.Tripathi - Honourable Union Steel Minister; Sri G.S.Khuntia, Sri J.K.Hota and Sri K.K.Passi, Dy. DGMS)



**2003 : RockEx 2003** :

Rock Excavation Techniques, Procc. of Second National Seminar on Rock excavation Techniques, 7-8 April 2003, Hotel Swosti Plaza, Bhubaneswar.

**2005 : Rock Excavation Techniques : RockEx'056** : 3<sup>rd</sup> National Seminar on Rock excavation Techniques, 8-9 January, Hotel Airport Centre Point, Nagpur.

**2006 : Published** - Environmental Issues of Mineral Industry, Procc. of The International Symposium, 11-12 January, Org. by Deptt. of Mining, VNIT, Nagpur.

**2007 : Published – Indian Iron Ore Mining**, by Deepak Vidyarthi of NMDC Ltd.

**2007 : MineTech'07** – National Seminar on Mining Technology - Present and Future, 21-22 September, Bhubaneswar.

**2009 : Published – Bauxite of Eastern Ghats of India** – Procc. Of National seminar on Bauxite of Orissa and Andhra Pradesh – retrospect & Prospect, Org. by Deptt. of Geology, Andhra University, Visakhapatnam, 17-19 July 2009

**2009 : Published** – Procc. of National workshop on Blasting, Explosives Technology and Safety in Mining & Infrastructural

Developments, 3-5 Dec, Org. by Deptt. of Mining, VNIT, Nagpur.

**2010 : MineTECH'10** – Mining Technology –Extraction, beneficiation for Safe and Sustainable Development, (7-8 May), Hotel Swosti Plaza, Bhubaneswar.

**2011 : MineTECH'11** – Golden Jubilee Seminar on Mining technology for Sustainable Development, 18-19 November,

Hotel Babylon, Raipur

**2012 : MineTECH'12** - Procc. of Golden Jubilee Workshop on Mining Technolgy, 4-5 May, Hotel Swosti Plaza, Bhubaneswar

**2013 : MineTECH'13** – Procc. of Mining Technology –Extraction, beneficiation for Safe and Sustainable Development, (3-4 May), Hotel Swosti Plaza, Bhubaneswar.



Release of Seminar Proceedings volume L-R Prof. S. Jayanthu (Editor in Chief & Prof. NIT-Rourkela), Sri A.K. Soni (Chairman, AKSU), Sri P.K. Palit (Dy. DGMS), Sri P.S. Mishra (CMD, ECL), Sri B.R. Reddy (Retd. CMD, SECL), Sri A.K. Mishra, Dr. G.K. Pradhan, Sri J.P. Gupta (Director, ECL), Sri S.K. Jha (Director, ECL)



Release of Seminar Proceedings volume in CD L-R Sri B.K.Mohanty, President of the function, Sri A.K.Soni, Sri B.Ramesh Kumar, Director(Operations), SCCL; Sri S.N.Padhi, DGMS(Retd.), Sri Vijay Sapra(President, Utkal Alumina) & Sri N.R.Mohanty(Director-P&T, NALCO)





(L to R : Prof G.K.Pradhan-Convenor, Prof S.Jayanthu-Co-Chairman, Sri P.K.Lahiri-Chairman ISM Governing Council , Sri S.J.Sibal (Former DGMS) Chairman of the Organizing Committee, Sri B.P.Soni, Chancellor AKS University)



(L to R : Prof S.Jayanthu-Co-Chairman, Sri A.K. Soni, Dr. Akhilesh Pandey (Chairman, Pvt. University Regulatory Commission), Prof. P.K. Banik, Prof. B.B. Dhar, Sri Ranjan Sahai (IBM, CG), Sri P.K. Satpathy (NMDC), Sri P.C. Naik (SAIL), Sri Sanjay Joshi (Maihar Cement)



Sri Pranab Mukherjee releasing “Blasting Safety Manual”  
Standing L-R Prof. Ajay K. Ghose, M.S. Sandhu & G.K. Pradhan



2019 Seminar held at Hosepete