

## Brief Curriculum Vitae of Dr. M.K. Chakraborty

a.) **Qualification:** B.E. (Mining), F.C.C. (Metal), Ph.D .FIE, MGMI

b.) **Brief Capabilities and Experience:** *Major Training Attended*

- 1) Prepared EIA/EMP and obtained environmental clearance for more than 70 project including coal and metal sector.
- 2) National Committee Member of Dimension Stone Mining.
- 3) Expert Member of Gujarat Ecological Commission, Govt. of Gujarat.
- 4) Invited by Australian Environmental Protection Agency to deliver a lecture under Australia-India New Horizon Programme.
- 5) **Work with Australian and U.S.A. World Bank Consultant in a Project “Environmental Capacity Building” under National Mission Project.**
- 6) Training on Atmospheric Modelling (CREN Workshop).
- 7) Poland - under CSIR - PAS Exchange Programme on Reclamation, Fly Ash Utilisation and Environmental Monitoring in Mining Areas, 1996.
- 8) Training on mine closure under Environmental Management capacity Building project at USA and Canada, 2003.
- 9) **Consultant for ICICI And state bank for mining projects evolution for finance**
- 10) **Expert in re body modelling and cost benefit analysis**
- 11) **Mine planer for more than 40 mines**
- 12) **Knowledge of SURPAC, DATAMINE and Autcad**

c) **Major areas of specialisation are as follows:**

1. Production planning and scheduling;
2. Recognised qualified mine planner of Indian Bureau of Mines and prepared eight (8) mine plans including Rawghat, Kiribure-Megataburu (14 million tonne) of SAIL and private and public sector, approval from statutory body;
3. Computer aided opencast mine planning and dump design;
4. GIS based, carrying capacity based, development planning and resource evaluation;
5. Computer & simulation modelling for environmental parameters;
6. Quantification of damage due to mining;
7. Computer aided regional environmental impact assessment (Regional EIA);
8. Environmental management plan, preparation and approved from different Govt. organisation;
9. Environmental statements/audit.

d) **Experience**

Tirty years of working experience in different prestigious mining company like Hindustan copper limited ,Associated Cement Companies limited as mines manager and research organisation performing in the field of computer modelling and simulation study, preparation of various environmental management plan and impact assessment studies. Also well versed in mine planning and design and was associated with **RTZ Consultants, Canada** for preparation of mine plan for one of the biggest copper mines in India. **Prepared the mine plan of Rawghat Iron ore deposit of SAIL for 14 mill tonne.** I am also associated with number of projects as project leader (about 70) which include national mission projects as **Project Leader and Co-ordinators** sponsored by **Ministry of Coal; Ministry of Mines ,Ministry of Environment & Forests; State Government’s projects** and other private industries and published more than **50 papers** in international and national journals/seminars/symposia/workshop including two chapter in book published by **International Chamber of Environment (ICE), UK .and Ecological restoration of mined out area Vol. 2 Edit. Parrow and Deavy.** Widely travelled in various corners of the country and, well versed with various Mining rule and regulation, environmental problems of mining industry in the country.

Member of **Expert Committee at Gujarat Ecological Commission**, Government of Gujarat, and the **National Committee Member of Environmental Problems of Dimension Stone Mining at Kotah**; and several professional bodies. I am also the project leader in world bank funded project entitled “Environmental Management Capacity Building” and responsible for formulation of guide line for EIA/EMP and Compliance monitoring for mining sub component, including demonstration project at Goa.

I am well versed with different mining operation and capable to handle different mine planning software, which include geological modelling to mine planning and scheduling. All ready leading the team of well qualified person.

I was invited as Faculty Member by Environmental Protection Agency (EPA). Australia to deliver a talk on Australlia - India new horizon programme and travelled to European countries (Poland and Germany) in connection with Collaborative Re-

search Programme. Visited USA and Canada under world bank programme to study the international rules and regulation and best mining practices. Closely associated with international bodies like UNDP, UNEP, COSTED, Commonwealth Science Council, UK.

**Bharat Gaurav Award. Best paper award and CIMFR whetaker awrdx**

**Dr.M.K.Chakrabrty**  
**Chief Scientist**