

## Format for Bio-Data



1. Name : MANISH KUMAR  
2. Date of Birth : 10/01/1975  
3. Current Position and Address : Technical officer, Slope Stability  
(With E-mail & Phone no.) Room No-37,CSIR-CIMFR,Dhanbad

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### 4. Educational qualifications: (Graduation and above)

| Sl. No. | Degree/<br>Certificate                  | Year of<br>Passing | University/<br>Institute                                 | Subjects  |
|---------|---|--------------------|--|---|
|         | Diploma in Mining Engg & Mine Surveying | 1996               | Board of Technical Examination Maharashtra State Mumbai. | Mine Machinery, Mine Surveying, Mine Ventilation, Method of working non coal, Mine Economics, MLGS, Mine Geology, etc |

### 5. Work experience

| Designation                         | Institution/company | From       | To         | Nature of work   |
|-------------------------------------|---------------------|------------|------------|--|
| (I) Technical Assistant Gr.III (I)  | CSIR-CIMFR, Dhanbad | 23/08/2002 | 22/08/2007 | To Carry out R&D Work in the field of Slope Stability. |
| (II) Technical Assistant Gr.III (2) | CSIR-CIMFR, Dhanbad | 23/08/2007 | 20/07/2010 |  |
| (III) Technical Officer Gr.III (3)  | CSIR-CIMFR, Dhanbad | 21/07/2010 | Till date  |  |

6. Area of specialization: Prediction of Slope instability, Open Cast Mine and Dump slope design of Coal/ Non Coal mines, Soil and Geomechanics.

7. Honors/Awards received:

8. Fellowships/Scholarships:

9. No. of Research Publications:

- Papers in journals: 3
- In conference proceedings: 3
- Invited/key-note addresses:

- List of best 05 publications: 1. राकेश कुमार सिंह ,मनीष कुमार झा मरकोठरा रॉक फॉस्फेट खान के खंड-डी के ढलान स्थिरता का अध्ययन एवं विश्लेषण” **Minetech**,October- December, 2007, Vol.28 No.4 P 34-37
- 2 राकेश कुमार सिंह ,मनीष कुमार एवं वीरेन्द्र कुमार सिंह डंप डिजाइन एवं स्थिरीकरण हेतु सुरक्षात्मक उपाय भारतीय वैज्ञानिक एवं अनुसंधान पत्रिका वर्ष 20 अंक 2 दिसम्बर 2012 पृ. .251-256

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- 3 J.K.Singh , V.K.Singh and Manish Kumar “Suveying ,  
3D Modelling and Precise Volume Computation  
of a hilly limestone mine using Survol-a new  
technology” Journal of Mines, Metals & Fuels,  
July-August, 2008,Vol.No 56,P-135-139

10. Number of Books authored/edited:

11. (a) No. of Patents granted/applied for:

(b) Technologies developed, Licensed and/or commercialized:

12. Foreign visits:

13. Details of Professional memberships:

Member of the institution of engineers (India), DLC as a senior Technician .Membership no –ST333032-5

14. Major contributions: (Max. 150 words)

The input data generated has helped in optimum slope design of a number of active mine and dump slopes (HZL, RSMML, NMDC, CIL ,TISCO, OMC, etc) which have resulted in saving of several crore rupees to the different mine managements. It helped to ensure the minimum land acquisition for the development of the open pit and dumps.

The slope monitoring has helped to detect the movement in and around the mine for the safety of the men and machinery for the companies such as HZL, MCL, NMDC, RSMML, TISCO, BCCL, WCL, HCL, NCL, NALCO, and DTRL (DRDO).

15. Technologies and Products/ Services

Developed:

Licensed:

Commercialized:

16. Designs and Prototype Developed:

17. Honours and awards won for technological contributions or sociological impact of R&D:

Signature