# Bio data of Dr. Raghwendra Singh

1. Name: Dr. Raghwendra Singh

2. Date of Birth: 15/02/1962

3. Current Position and Address: Sr. Principal Sct.,
Mine Design & Simulation Section
Room No.15,Main Building, CIMFR (HQ), Dhanbad

Residential Add.: Matrichya Appt. Dhyia, Dhanbad

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4. Educational qualifications: (Graduation and above)

| Degree/Diploma/Certificate | Subject(s) | Year | University/ Institute |
|---|---|---|---|
| PhD | Mining (Rock Mechanics) | 2002 | IIT, BHU, Ming. Dept |
| M.Sc. | Geology | 1982 | BHU. Geology |
| B.Sc. | Physics, Maths & Geology | 1980 | BHU, Science Faculty |

5. Work experience

| Desig | Institution/company | From | To | Nature of work |
|---|---|---|---|---|
| JRF | CIMFR (erstwhile CMRS) Dhanbad | July 1986 | June. 1988 | R&D Work |
| SRF | CIMFR (erstwhile CMRS), Dhanbad | July1988 | Apr. 1990 | R&D Work |
| Gr.IV(I) | CIMFR (erstwhile CMRS), Dhanbad | Apr. 1990 | Mar. 1995 | R&D Work |
| Gr.IV(II) | CIMFRI (erstwhile CMRS),Dhanbad | Apr. 1995 | Mar. 2000 | R&D Work |
| Gr.IV(III) | CIMFRI (erstwhile CMRI), Dhanbad | Apr. 2000 | Mar. 2005 | R&D Work |
| Gr.IV(IV) | CIMFR (erstwhile CMRI), Dhanbad | Apr. 2005 | Mar. 2010 | R&D Work |
| Gr.IV(V) | CIMFR, Dhanbad | Apr. 2010 | Continued | R&D Work |

6. Area of specialization: Rock Mechanics, Ground Control, Underground Mining Methods and Numerical Simulation

7. Honors/Awards received: NIL

8. Fellowships/Scholarships: NIL

9. No. of Research Publications:

- Papers in journals: 4 papers
- In conference proceedings: 32 papers
- Invited/key-note addresses: Nil
- List of best 05 publications:

  - ✓ Raghwendar Singh, S.K. Singh, A. Kushwaha & A. Sinha, 2012 " Stability of parting between coal pillar working in level contiguous seams during depillaring" *Int. Journal of Rock Mechanics and Mining Science 55: 1-14*
  - ✓ *Singh R,Sheorey PR, Singh DP "Stability of the parting between coal pillar workings in level contiguous seams during development" Int. Journal of Rock Mechanics and Mining Science 2002; 39.9-39*
  - ✓ Raghwendar Singh, S.K. Singh, A. Kushwaha & A. Sinha "Estimation of parting stability and support requirements during depillaring in two contiguous coal seams" 47th US Rock Mechanics/Geomechanics Symposium held in San Francisco, CA, USA, 23-26 June 2013
  - ✓ Singh R, Kushwaha A, Bhattacharjee R and Tewari S "Stability evaluation and support design of parting between contiguous pillar workings during depillaring" Seminar on Present Technology and safety Scenario in Mining and Allied Industries, 25-27 Feb. 2013, IIT, BHU, Varanasi
  - ✓ A. Kushwaha, R Singh, R Bhattacharjee and S Tewari " Mass production and safety issues in underground coal mines" at 25th National Convention of Mining Engineering & POSTALE 2013, Organised by Institution of Engineers India, Local Chapter, Dhanbad, Nov 30-Dec 01, 2013

10. Number of Books authored/edited: NIL

11. (a) No. of Patents granted/applied for: NIL
    (b) Technologies developed, Licensed and/or commercialized: NIL

12. Foreign visits: To attend 47th US Rock Mechanics/Geomechanics Symposium held in San Francisco, CA, USA, 23-26 June 2013

13. Details of Professional memberships: NIL

14 . Major contributions:

Dr. Raghwendra Singh has more than 25 years of experience in the field of Rock Mechanics & Ground Control and Mine Design. He made notable contributions to the science of Rock Mechanics, Method of Mining and Ground Control in Coal Mining Industry. He is particularly involved in design of different mining methods for mass production technology like Continuous Miner technology, Goaf Pillar Method of Mining, Pillar Thinning and BG Method for coal mines. He has completed 3 Grant-in-Aid Projects sponsored by Ministry of Coal as Project Leader and Member and more than 200 Industry sponsored consultancy projects as Project Leader & team member. He has

developed a guideline for stability of parting between coal pillar workings in contiguous seam during development and depillaring in the coal seam. He has more than 25 research papers to his credit published in various national & international journals, seminars, symposia and workshops volumes.

15. Technologies and Products/ Services NIL

(i) Developed:
(ii) Licensed:
(iii) Commercialized:

16. Designs and Prototype Developed: NIL

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

Signature