1. Name: AMAR PRAKASH

2. Date of Birth: 23/09/1971

3. Current Position and Address: Senior Scientist
Room No.32, Main building,
Mine Surveying & Subsidence Control,
Central Institute of Mining& Fuel Research
Barwa Road, Dhanbad- 826015
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Email: amar_cmri@yahoo.co.in
(with E-mail & Phone no.) Mobile no. 09431315038

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree/ Certificate	Year of Passing	University/ Institute	Subjects
I	B.E.	1994	Bangalore	Mining (*1st Class First*)
Ii	Surveyor'scertificate	1995	Directorate General of Mines Safety	Surveying
Iii	II Class Mine Manager's certificate	1998	Directorate General of Mines Safety	Metal Mining (unrestricted)
iv	I Class Mine Manager's certificate	2001	Directorate General of Mines Safety	Metal Mining (unrestricted)
v	M. Tech	2007	Indian School of Mines	Environmental Science &Engg. (*1st Class First*)
Vi	Ph.D.	2013	Indian School of Mines	Mining Engineering

5. Work experience

Designation	Institution/company	From	To	Nature of work
I Engineer(Survey)	Hutti Gold Mines	31/01/1995	29/12/2001	Surface and underground surveying, stope measurement, reserve estimation, mechanized blast hole design
ii Scientist-B	CIMFR, Dhanbad	02/01/2002	01/01/2006	Subsidence prediction and investigation, Mine surveying
iii. Scientist-C	CIMFR, Dhanbad	02/01/2006	01/01/2010	Subsidence prediction and investigation, Mine surveying, Preparation of Mining Plan
iv. Sr. Scientist	CIMFR, Dhanbad	02/01/2010	continue	Subsidence prediction and investigation, Mine surveying, Preparation of Mining Plan

6. Area of specialization: Mine Surveying, subsidence prediction and investigation

7. Honors/Awardsreceived:

1) Received award from MGMI (Bangalore Branch) for securing First position at the BE Mining Engineering from Bangalore University.
2) Granted certificate of recognition as a qualified person (RQP) to prepare Mining Plans under rule 22C of Mineral Concession Rules (MCR), 1960, instated by Indian Bureau of Mines.

8. Fellowships/Scholarships: NIL

9. No. of Research Publications:

- Papers in journals: 40
- In conference proceedings: 19
- Invited/key-note addresses: 5
- List of best 05 publications:

1) **Prakash A.,** Murthy V. M. S. R. and Singh K. B. (2015):*A new rock cuttability index for predicting key performance indicators of surface miners*, **International Journal of Rock Mechanics and Mining Sciences**, Vol. 77, July, pp 339–347. (DOI:10.1016/j.ijrmms.2015.04.016)

2) **Prakash A.,** Kumar A. and Singh K. B. (2014): *Dynamic subsidence characteristics in Jharia coalfield*,*India*, **Geotechnical and Geological Engineering,** Springer International Publishing Switzerland, DOI 10.1007/s10706-014-9738-7,vol 32, issue 3, June, pp 627-635.

3) **Prakash A.,** Murthy V. M. S. R. and Singh K. B. (2013):*Rock excavation using surface miners: An overview of some design and operational aspects*, **International journal of Mining Science and Technology**, 23, pp 33-40. (DOI: 10.1016/j.ijmst.2013.01.006)

4) **Prakash A.** and Singh G. (2009): *Emission of carbon monoxide in atmosphere due to mine fire – a case study*, **Asian Journal of Water, Environment and Pollution**, Vol. 6, No. 1, January, pp 103-107.

5) **Prakash A.,** Murthy V. M. S. R. and Singh K. B. (2015):*Chip size characterization for selecting optimum production parameters of surface miner operating in a coal mine*, **Current Science**, Vol. 108, No. 3, 10 February, pp 422-426.

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: NIL

13. Details of Professional memberships:
    a) Indian Society for Technical Education (ISTE)
    b) The Institution of Engineers (India) (IEI)
    c) The Indian Mining and Engineering Journal (E&MJ)

14 . Major contributions: (Max. 150 words)

a) Three dimensional subsidence prediction using modified influence function method at different seam floor levels as well as on surface with cumulative effect of working.
b) Potential risk of pot-hole occurrence in limestone.
c) Application of Total Station for subsidence measurement over large areas as well as the congested areas.
d) Safety evaluation of built up areas and important surface structures in different coalfields.
e) Topographical survey in landslide affected rugged terrain.
f) Traverse survey and volumetric computation of coal and overburden excavated by opencast mine.
g) Study into dynamic subsidence characteristics under multi seam workings.
h) Subsidence investigation over shallow gas reservoir.
i) Design of subsidence control measures for underground mining.
j) Preparation of Mining Plan.
k) Mine surveying for preparation of mining plan, subsidence monitoring etc.
l) Highwall stability monitoring.

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