

1. Name: **DR. KSHIN MASTIKA KUMAR SINHA**

2. Date of Birth:04-09-1967

3. Current Position and Address: (with E-mail & Phone no.)



PRINCIPAL SCIENTIST

Coal Preparation Division

CSIR-Central Institute of Mining and Fuel Research

(Digwadih Campus),Dhanbad-828108

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4. Educational qualifications: (Graduation and above)

SL	Degree	Year	University/ Institute	Subjects
i.	Section 'A and 'B' of IE equivalent to B.E.	1991	The Institution of Engineers (India)	Mechanical Engineering
ii.	M.Tech. (Gold Medalist)	1995	Indian School of Mines, Dhanbad	Mineral Engineering
iii.	Ph.D. (Engineering)	2012	Indian School of Mines, Dhanbad	Mineral Engineering

Sr. No.	Designation	Institution/company	From	To	Nature of Work
1.	Scientist Group IV (1)	CFRI - Dhanbad	31.10.1997	30.10.2002	R & D studies on Coarse, Small and Fine Coal Beneficiation

2.	Scientist Group IV (2)	CIMFR (DC) - Dhanbad	31.10.2002	30.10.2007	R & D studies on Coarse, Small and Fine Coal Beneficiation
3.	Group IV (3)/Senior Scientist	CIMFR (DC) - Dhanbad	31.10.2007	30-10-2012	R & D studies on Coarse, Small and Fine Coal Beneficiation
4.	Principal Scientist	CIMFR (DC) - Dhanbad	31.10.2012	Continuing	R & D studies on Coarse, Small and Fine Coal Beneficiation

5. Work experience

6. Area of specialization: **COAL PREPARATION / SAMPLING**

7. Honors/Awards received: **Khare Award for best paper on Coal Preparation for presentation in ENRED -95 by Indian Institute of Mineral Engineers**

8. Fellowships/Scholarships:

9. No. of Research Publications:

- Papers in journals: 5
- In conference proceedings: 25
- Invited/key-note addresses:
- List of best 05 publications:

Sl. No	Authors	Title of the Article	Year of Pubn	Name of Journal	Country	Vol No. Issue, Pages	Remarks
1.	K M K Sinha, G S Jha, K K Sharma, K M P Singh and T Gouricharan	A Comparative Study of manual wagon top sampling and auto mechanical sampler of coal 200 mm size with respect to stopped belt sampling of thermal coal at Indian thermal power plants	Accepted for Publication	<i>International Journal of Coal Preparation and Utilisation</i>	U.K		DOI No. 10.1080 /193926 99.2015. 1051180
2.	K M K Sinha and T.Sharma	Reduction of Iron Ore Pellets by Statistical Design of	2014	International Journal of Engineering Research and science &	India	Volume 3, No.1 page 1-6	

		Experiments		Technology			
3.	K M K Sinha, T. Sharma and D D Haldar	Reduction of Iron Ore with Non Coking Coal	2014	International Journal of Engineering and Advanced Technology	India	Volume 3, Issue-3, February 2014 Page 30-33	
4.	T. Gouri Charan, U.S. Chattopadhyay, K.M.P. Singh, K.M.K. Sinha, K.K. Sharma & D.D. Haldar	Performance of 20 T/H Baum Jig Treating High Ash Indian Non Coking Coal	July - 2011	CPSI Journal, Volum-3 Number-5,	National Journal	Volum-3 Number-5,	
5.	K K Sharma, K M K Sinha, T Gouricharan and D D Haldar	A Novel approach for beneficiation and dewatering of coal fines for Indian coal preparation Plant;	2011,	World Academy of Science, Engineering and Technology	Italy	year 7, issue 76, April 2011,	

10. Number of Books authored/edited:

Sl.No	Editors	Title of the chapter	Year of Pubn	Title of Book	Country	Edition No.	Publisher
1.	एल सी राम एवं अन्य	Caknjxkg ij vk;kfrr dks;ys dk izfrp;u भूमिका : मुख्य लेखक अध्याय : 8	2014	^dks;yk mi;ksx % n`f"V & 2025,	India	First	CSIR-CIMFR Dhanbad

		पृष्ठ संख्या : 31-33					
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11. (a) No. of Patents granted/applied for:
(b) Technologies developed, Licensed and/or commercialized:

12. Foreign visits:

13. Details of Professional memberships:

- a. **Member, Indian Institute of Mineral Engineers**
- b. **Member, Metallurgical Geological and Mining Institute of India**
- c. **Member, Indian Institute of Metals**

14 . Major contributions: (Max. 150 words)

1. On suggestion(s) as project leader, Jindal Power Limited, Tamnar, Raigarh replaced its crusher in its washery at Tamnar by Double Roll Crusher to reduce the generation of -10 mm size coal to get better yield .

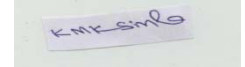
2. First time Evaluation/Audit of sampling system for Total Moisture determination of Imported coal at Tata Power Mumbai as Project Leader

15. Technologies and Products/ Services

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

16. Designs and Prototype Developed:

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



Signature