

CURRICULUM VITÆ

1. PERSONAL INFORMATION

Name in Full: **DR. RITESH D LOKHANDE**

Father's Name: **SHRI DHARMRAJ R LOKHANDE**

Mother's Name: **SMT VIMAL D LOKHANDE**

Wife's Name: **SMT SHEETAL R LOKHANDE**

Address:

i) Correspondence: **National Institute of Technology, Raipur**
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ii) Permanent: **Indira Gandhi Nagar, Binaki Mangalwari,**
Near Kanji House,
Nagpur – 440017 (Maharashtra)

Date of Birth : **23/05/1977**

Nationality: **Indian**

2. PARTICULARS OF EDUCATIONAL QUALIFICATIONS

Sl. No.	Degree Obtained & Branch / Specialization	Name of the University/Institute	Year of Passing	% of Marks/ CGPA	Class/ Division
1.	SSC	Maharashtra State Board	1993	69.28	I st
2.	HSSC	Maharashtra State Board	1995	70.83	I st
3.	B E (Mining)	Nagpur University	1999	70.32	I st
4.	Ph.D. (Mining)	Indian School of Mines, Dhanbad (January 2013)			

3. PARTICULARS OF EXPERIENCE

i) Teaching Experience :					
		3.6	years		
Sl. No.	Name of the organization	Designation	Date of Joining	Date of leaving	Last Pay Band and Grade Pay*
1.	RKNEC, Nagpur	Lecturer	7 th August, 2000	28 th February, 2001	As per lecture basis
2.	NIT Raipur	Assistant Professor	11 th July, 2013	18 th July, 2016	Pay Band 3 (₹ 15600-39100), Grade Pay ₹ 7000/- & (Total basic pay ₹ 27080/-)
3.	VNIT Nagpur	Assistant Professor	19 th July, 2016	Continue	Pay Band 3 (₹ 15600-39100), Grade Pay ₹ 8000/- & (Total basic pay ₹ 38000/-)
ii) Research Experience:					
		12	years		
Sl. No.	Name of the organization	Designation	Date of Joining	Date of leaving	Last Pay Band and Grade Pay*
1.	CMRI, Dhanbad	Project Fellow	11 th June, 2001	17 th July, 2002	₹ 5000/- (Consolidated)
2.	CMRI, Dhanbad	Junior Technical Assistant	18 th July, 2002	17 th July, 2007	₹ 4500-150-7000/- & (Rs 5125/-)
3.	CIMFR, Dhanbad (Erstwhile CMRI)	Senior Technical Assistant	18 th July, 2007	5 th December, 2008	₹ 5500-225-9000/- & (Rs 5725/-)
4.	NIRM, KGF	Scientist - 1	9 th December, 2008	9 th July, 2013	Pay Band 3 (₹ 15600-39100), Grade Pay ₹ 5400/- & (Total basic pay ₹ 25080/-)

5. SOFTWARE SKILLS

- Packages/Software: **Surfer, SPSS and ANN**

6. LIST OF PUBLICATIONS

S. No.	Papers in journals
International Journals	
1	Prakash A, Lokhande R. D and Singh K B, “ <i>Surface Ground Deformation in Jharia and Raniganj Coalfields Over Old Mine Workings</i> ”, Indian Journal of Environmental Protection , Vol. 29, No.4, pp 289-293, April 2009.
2	Lokhande R D , Murthy V M S R and Singh K B, “ <i>Pot-hole Subsidence in Underground Coal Mining: Some Indian Experiences</i> ” International Journal of Geotechnical and Geological Engineering (Springer) , Vol. 31, No.2, pp. 793-799, 2013.
3	Lokhande R D , Murthy V M S R and Singh K B, “ <i>Predictive models for pot-hole depth in underground coal mining- Some Indian Experiences</i> ” Arabian Journal of Geosciences (Springer) , Vol. 07, No.11, pp. 4697-4705, November, 2014.
4	Lokhande R D , Murthy V M S R, Venkateswarlu V and Singh K B, “ <i>Assessment of Pot-hole Subsidence Risk for Indian Coal Mines</i> ” International Journal of Mining Science and Technology (Elsevier) , volume 25, issue 2, pp. 185 – 192, 20 th March, 2015.
5	Sahu P & Lokhande R D , “ <i>An Investigations of sinkhole subsidence and its preventive measures in underground coal mining</i> ” Procedia Earth and Planetary Science – Journal (Elsevier) , 11(2015) 63-75.
National Journals	
1	Prasad C. D, Lokhande R. D and Ghosh A. K., “ <i>In-situ Stress Measurement Technique – A Review</i> ”. Minetech , Jul-Aug, 2003, pp.36-47, 2003.
2	Singh K.K.K., Singh K. B., Lokhande R. D. , and Prakash A., “ <i>Multi-electrode Resistivity imaging technique for the study of coal seam</i> ”, Journal of Scientific & Industrial Research (JSIR) , Vol. 63, November, pp 927-930, 2004,.
3	Prakash A., Singh K. B., Singh K. K. K., and Lokhande R. D. , “ <i>New approach to raise survey</i> ”, Minetech , Vol no. 25, No.6, November – December, 2004.
4	Lokhande R. D. , Prakash A, Singh K B and Singh K K K “ <i>Subsidence Control Measures in Coal Mines: A Review</i> ”, Journal of Scientific & Industrial Research (JSIR) , Vol. 64, pp 323-332, May 2005.
5	Prakash A., Singh K. B., Kumar A and Lokhande R. D. , “ <i>Residual Subsidence over abandoned mine; A Case Study</i> ”, Mining Engineer’s Journal , Vol no. 07, No.1.pp 17-21, August, 2005.
6	Prakash A., Kumar A, Singh K. B., and Lokhande R. D. , “ <i>Ground Movement Studies Due to Mining in G-1 Seam in Korba Coalfiled</i> ”, Minetech , September - October, 2005, Vol no. 26, No.5, pp 14- 16.
7	Lokhande R. D. , Prakash A and Singh K. B. “ <i>Validation of Predicted Subsidence Movements for a stowed Panel</i> ”, Minetech , Vol. no.29, No.3, pp 21-27, July – September, 2008.
8	Prakash A., Lokhande R. D. , Mandal M., and Singh K. B., “ <i>Study on surface and subsurface ground movements and its impacts due to coal depillaring – A case study</i> ”, Mining Engineer’s Journal , Vol no. 10, No.4, pp 26 - 31, November, 2008.

9	Prakash A, Lokhande R. D and Singh K B “ <i>Impact of Rainfall on Residual Subsidence in Old Coal Mine Workings</i> ”, Journal of Environment, Science and Engineering , Vol. 52, No.1, pp 75-80, January 2010.
10	Lokhande R D & Venkateswarlu V, “ <i>Strata behaviour Investigations in Continuous Miner Panels at Venkatesh Khani No.7 Incline</i> ” Minetech , Vol. no.34, No.2, pp 39-44, June, 2013.
11	Lokhande R D , Murthy V M S R and Singh K B, “ <i>Predicting the Pot-hole Depth in case of Underground Coal Mines – An Approach</i> ” Minetech , Vol. no.34, No.4, pp 27-36, Oct - Dec, 2013.
12	Lokhande R D , Verma N and Tiwari V K, “ <i>Introduction of Modern Technologies in the Inindain Mining Industry</i> ” Minetech , Vol. no.35, No.4, pp 12-20, Jan-Mar, 2014.
13	Lokhande R D , Verma S, Malpani A, Dwivedi V, Saurabh S, Soni N, Rathore J S, Jaoswal U and Thakur C S, “ <i>Study on Horizontal Stress along with its Impact and Control Measures in Underground Coal Mines</i> ” Minetech , Vol. no.35, No.4, pp 40-49, Jan-Mar, 2014.
14	Malpani H, Lokhande R D , Pradhan M and Kishore N “ <i>Highwall Mining</i> ” Minetech , (Paper in press).

S. No.	Papers in Conference
International Conference	
1	Lokhande R D , Venkateswarlu V, Varma ALSV, Srinivas Ch and Veeraswamy H, “ <i>Investigation and Analysis of Strata Control Problems in Continuous Miner Workings</i> ”, International Conference on Underground Space Technology (ICUST 2011) at Bangalore Organized by NIRM and ISEG on 17-19 January, 2011.
2	Lokhande R D , Murthy V M S R and Singh K B, “ <i>Role of Geological Structures on Pot-hole Subsidence Development due to Underground Mining</i> ”, International Conference on Underground Space Technology (ICUST 2011) at Bangalore Organized by NIRM and ISEG on 17-19 January, 2011.
3	Lokhande R D & Venkateswarlu V, “ <i>Strata Control Investigations in Continuous Miner Panels</i> ” International Conference INDOROCK-2011 Organized by Indian Society for Rock Mechanics and Tunnel Technology (ISRMTT) at IIT Roorkee, Oct 13-15, 2011, INDIA.
4	Sahu P & Lokhande R D , “ <i>Risk Assessment of Sinkhole Subsidence in underground coal mining</i> ” International Conference MICTM 15 Organized by Manipal University at Dubai, March 25-26, 2011, Dubai.
5	Sahu P & Lokhande R D , “ <i>An Investigations of sinkhole subsidence and its preventive measures in underground coal mining</i> ” International Conference GCPF 2015-20 at NITK Surathkal Organized by, NITK Surathkal, Mangalore on 17-18 April, 2015 , INDIA.
National Conference	
1	Prasad C. D and Lokhande R. D. , “ <i>Investment Opportunities in Coal Sector in India</i> ” Conference on Indian Mining & Mineral Based Industries Challenges of era of Globalization CONTUR 2002 , pp 33-36, 2002.

2	Prakash A, Lokhande R. D. and Singh K B “ <i>Statutes Regarding Prevention of Mine Inundation Vis-à-vis Role of Surveying</i> ”, National Seminar on POSTALE 2005 , pp 179-187, July 2005.
3	Prakash A, Lokhande R. D. , Singh .A.K and Singh K B “ <i>Role of surveying in Blast hole stopes in Hutti Gold Mines</i> ”, National Seminar on Advances in Mine Surveying, Indian School of Mines (ISM), Dhanbad , pp 207- 210, September 2006.
4	Prakash A, Lokhande R. D. and Singh K B “ <i>Subsidence due to gas exploitation- A study at Surat block, Gujarat</i> ”, National Seminar on POSTALE 2008 , December 2008.
5	Lokhande R D , Murthy V M S R, Prakash A and Singh K B, “ <i>An Investigation of Causes of Pot-hole Subsidence and its Impact</i> ”, National seminar on Meeting Rock Mechanics challenges of Deep underground mining Organized by ISRM and CIMFR at Dhanbad, pp 169-175, 2010.
6	Kumar A, Raja S, Nannuri R, Manjunath.A and Lokhande R D , “ <i>Yield Pillar Technique with Continuous Miner – A New Kind of Extraction Method</i> ”, National Conference on Recent Advancement in Engineering & Technology (RAET-2011), Organized by Dr. T Thimmaiah Institute of Technology at Kolar Gold Field, Karnataka, March 2011
7	Lokhande R D , Murthy V M S R and Singh K B, “ <i>Pot-hole Subsidence Due to Underground coal Mining - A Case Study</i> ”, Indian Conference on Mine Surveying (ICMS – 2012), Organised by Indian School of Mines (ISM), Dhanbad, pp 255-262 , Oct -2012.
8	Lokhande R D , Vema S and Malpani A, “ <i>An investigation of horizontal stress presents in underground coal mine working and its control measures</i> ” Innovative Practices in Rock Mechanics (IPRM-2014), Organized by NIRM, Bangalore , pp-103-110, February 6-7, 2014
9	Sahu Poonam, Lokhande Ritesh D , Satyabadi Kumar Jena and Jade Ravi K “ <i>Geological & Geo-mining Investigations in Relation to Sinkhole Subsidence in Underground Coal Mining, A Case Study of SECL</i> ” Recent Practices and Innovations in Mining Industry (RPIMI 2016), February 2016, Raipur, Organized by NIT, Raipur , pp-339-343, February 19-20, 2016.
10	Satyabadi Kumar Jena, Lokhande Ritesh D , and Thakur R P “ <i>Strata Control Monitoring with convergence, trend analysis in conventional bord & pillar Extraction, A Case Study of Underground Coal Mining at SECL</i> ” Recent Practices and Innovations in Mining Industry (RPIMI 2016), February 2016, Raipur, Organized by NIT, Raipur , pp-347-361, February 19-20, 2016.
11	Wadhvani Himanshu, Tripurana Rahul and Lokhande Ritesh D “ <i>Role of Green Issues of Mining supply chain on sustainable development</i> ” Recent Practices and Innovations in Mining Industry (RPIMI 2016), February 2016, Raipur, Organized by NIT, Raipur , pp-90-98, February 19-20, 2016.

7. RESEARCH PROJECTS UNDERTAKEN

S. No	Sponsoring Agency	Title of project	Amount of grant	Period	Role
1	Ministry of Coal and SCCL	Environmental impact of subsidence movement caused due to caving on ground water and forest cover in Godavari Valley Coalfield.	70 Lakhs	2003-06	Co-investigator
2	Planning commission and CSIR	Development of Comprehensive Technology for Disaster Prevention and Management for Jharia coalfield Limited	120 Lakhs	2004-07	Co-investigator
3	CMPDIL (Coal S & T)	Investigation of cavability of overlying strata And development of guidelines for estimation Of support capacity for longwall faces	187.91 Lakhs	2007-11	Co-investigator
4	SECL	Geo-Mining situations for assessing vulnerability of pot-hole subsidence in SECL mines	-	2015-cont	Project Leader

8. SPONSERED PROJECTS UNDERTAKEN

S. No	Organization	Title of project	Amount of grant	Period	Role
1	SCCL	Stability evaluation of a part of Jangaon village with hydraulic sand stowing at GDK-1 Incline of the Singareni Collieries Company Limited.	3.75 Lakhs	2002-05	Co-investigator
2	TISCO	Subsidence studies at TISCO mines in Jharia coalfield	1.85 Lakhs	2003-04	Co-investigator
3	BCCL	Ground movement studies for safety evaluation of surface structures over subsided Kendua Bazaar at Kenduadih colliery.	2.25 Lakhs	2003-05	Co-investigator
4	BCCL	Safety evaluation of Adra - Gomoh Railway line of S. E. Railway due to subsidence movement at Sudamdih shaft mine.	2.0 Lakhs	2004-05	Project leader
5	MCL	Surface subsidence investigations over RP-13 (A) panel at Deulbera colliery in Talcher area of Mahanadi Coalfield Limited.	3.25 Lakhs	2004-05	Project leader

6	ECL	Evaluation of on-going and extent of subsidence movements over and around subsided area with remedial measures at Sanctoria village of Eastern Coalfield Limited.	3.15 Lakhs	2004-06	Co-investigator
7	BCCL	Survey of Nathkhas open cast patch of Muraidih colliery, Barora Area.	5.20 Lakhs	2005-06	Project leader
8	BCCL	Survey of Ghutway open cast extension patch of Damuda colliery, Barora area.	4.85 Lakhs	2005-06	Project leader
9	BCCL	Initial, intermediate and final measurement of overburden and coal at open cast patch of Goundudih colliery, Kusunda area,	5.60 Lakhs	2006-07	Project leader
10	SECL	Scientific enquiry into the occurrence of Pot-holing at Bhadra 7 & 8 underground collieries of Jammuna & Kotma.	3.25 Lakhs	2006-07	Project leader
11	BCCL	Study and advice regarding subsidence movements along Adra-Gomoh main railway line at Sudamdih shaft mine.	2.75 Lakhs	2007-08	Project leader
12	SCCL	Strata Monitoring in Panel No. 1E in 3 Seam at GDK-10 Incline, RG-III Area, SCCL	12.38 Lakhs	2008-09	Co-investigator
13	SCCL	Strata behavior monitoring in panel no. WS-11 during extraction by Wide Stall method at GDK no. 8A incline, RG-II area, SCCL	21.97 Lakhs	2008-09	Co-investigator
14	SCCL	Strata Control Investigations in Panel No. CMP-2 during Extraction by Continuous Miner at VK-7 Incline, KGM Area, SCCL	23.92 Lakhs	2009-10	Co-investigator
15	SCCL	Strata Control Investigations in Panel No. CMP-3 during Extraction by Continuous Miner at VK-7 Incline, KGM Area, SCCL	32.73 Lakhs	2009-10	Project leader
16	SCCL	Strata Control Investigations in Panel No. CMP-3A & 3B during Extraction by Continuous Miner at VK-7 Incline, KGM Area, SCCL	41.39 Lakhs	2009-10	Project leader
17	WCL	Design of Roof support System at DRC 6, 7 & 8 Inclines, Chandrapur Area, WCL	7.90 Lakhs	2010-11	Project leader
18	WCL	Design of Partial Extraction Method in Seam 5 of Saoner Mine no.2, Nagpur area, WCL	5.39 Lakhs	2010-11	Project leader
19	WCL	Design of Method of working at Tawa and Sarni mines, Paterkhera area, WCL	10.39 Lakhs	2011-12	Project leader

20	WCL	Study the subsidence impact on isolation stopping at Upper seam in Soaner mine no.1, Nagpur area, WCL	7.65 Lakhs	2011-12	Project leader
21	WCL	Strata Control Investigations in Panel No. E4C at Maori Mine, Kanhan Area, WCL	9.95 Lakhs	2011-12	Project leader

9. SHORT TERM COURSES/WORKSHOPS/SEMINARS ORGANIZED

Organization	Title of the program	Period
NIRM	International Conference of Underground Space Technology (ICUST), January 2011, Bangalore	3 days
NIT Raipur	Recent Practices and Innovations in Mining Industry (RPIMI), February 2016, Raipur	2 days

10. SHORT TERM COURSES/SEMINARS CONFERENCES ATTENDED

Organization	Title of the program	Period
CMRI, Dhanbad	National Seminar on Policies, Statutes & Legislation in Mines (POSTALE 2001)	2001
CMRI-NGRI, Dhanbad	National Geo-physical summit	2005
CMRI, Dhanbad	National Seminar on Policies, Statutes & Legislation in Mines (POSTALE 2005)	2005
CIMFR, Dhanbad	National Seminar on Policies, Statutes & Legislation in Mines (POSTALE 2008)	2008
ISRM, New Delhi	Workshop on Rock Engineering	2010
CIMFR-ISRM, Dhanbad	National seminar on Meeting Rock Mechanics challenges of Deep underground mining	2010
NIRM, Bangalore	International Conference of Underground Space Technology (ICUST)	2011
ISRM-TT, Roorkee	Third Indian Rock Conference (INDOROCK)	2011
TTIT, KGF	National Conference on Recent Advancement in Engineering & Technology (RAET-2011)	2011
ISM, Dhanbad	Indian Conference on Mine Surveying (ICMS – 2012)	2012
IPRM, Bangalore	Innovative Practices in Rock Mechanics (IPRM-2014), Bangalore, February 6-7, 2014	2014
GCPF, Suratkal	International Conference GCPF 2015-20, April 2015	2015

11. PROFESSIONAL TRAINING RECEIVED

Professional Body	Brief on training	Period
Indian School of Mines (ISM), Dhanbad	Training course of Advance Survey (2003)	Six weeks
Administrative Staff College of India (ASCI), Hyderabad	Science Administration and Research Management for Middle and Senior Levels of Scientist (2011)	Two weeks
National Institute of Technical Teachers Training and Research, Bhopal	Faculty Induction Training Phase-I (Under TEQIP II) (2014)	Two weeks
Indian Institute of Management Raipur (IIM)	Faculty Development Programme Under TEQIP II	One week

12. MEMBERSHIP OF PROFESSIONAL BODIES

Professional Body	Member no./ID	Remarks
Indian Society for Rock Mechanics and Tunnel Technology (ISRMTT)	LM-1900	Life member
Institution of Engineers (India)	M-144313-5	Life member
Administrative Staff College of India (ASCI), Hyderabad	Prg/11-12/3/103/44741	Life member
Indian Society for Rock Mechanics (ISRM)	ISRM-INDIA/INDIVIDUAL/2014-2023/004	Member for ten years
Indian Geotechnical Society (IGS)	LM-3721	Life member
The Indian Society for Technical Education	LM 103040	Life member
The Mining, Geological & Metallurgical Institute of India (MGMI)	LM 10587	Life member

13. OTHER INFORMATION

i) Reviewer of International Journals

- *Arabian Journal of Geosciences*
- *International Journal of Mining Sciences & Technology*
- *Institution of Engineers (Series D)*

ii) Second Class Mine Manager's Certificate (COAL)

iii) Department Ph D Coordinator

iv) Department TEQIP Coordinator

vi) Attainments in sports and extra-curricular activities

- *Sport secretary in CIMFR, Dhanbad (two years)*
- *Represented CMRI in different SSBMT tournaments of CSIR in NIO Goa, CCMB Hyderabad, CBRI Roorkee and CSMCRI Bhavnagar.*

REFERENCES

i) Name: **Dr V M S R Murthy**
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ii) Name: **Dr V Venkateswarlu**
Status: Director, NIRM, KGF
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DECLARATION

I declare that the above furnished information is correct and true to the best of my knowledge.

Place: VNIT Nagpur

(**DR. RITESH D LOKHANDE**)