

CURRICULUM VITÆ

1. PERSONAL INFORMATION

Name	Dr Manoj Pradhan
Email	mpradhan@nitrr.ac.in , pradhan_nitrr@yahoo.co.in
Contact Number	+91771 2254065 (R) +919826540711 (M)

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	B. E. (Mining Engg)	Ravi Shankar University, Raipur/ Govt Engg. College, Raipur	1985	67 %	First
2	M. Tech (Rock Exc Engg.)	Indian School of Mines, Dhanbad	1997	4.53/5.0	First
3	Ph D	Ravi Shankar University, Raipur/ National Institute of Technology, Raipur	2007	<i>“Investigation into the Effects of Some Factors on Detonation Velocity of Chemically Sensitized Bulk Emulsion Explosives”</i>	

3. PARTICULARS OF EXPERIENCE

i) Teaching Experience :		26	years		
Sl. No.	Name of the organization	Present Designation	Date of Joining the organisation	Date of leaving	Last Pay Band and Grade Pay*
1.	National Institute of Technology, Raipur	Professor	1.11.1990	working	PB 4 Grade Pay Rs. 10000/-
ii) Industry Experience:		5	years		
1.	South Eastern Coalfields Ltd	Under Manager	11.1.1986	31.10.1990	

4. AWARDS/ HONOURS/ RECOGNISATION

1	The Dr Rajendra Prasad Memorial Prize 2010, awarded by Institution of Engineers (I), Kolkatta
2	Prof (Dr) H.R. Annireddy Memorial Award 2010 for Outstanding Research in Explosive Utilization, conferred upon by The IME journal Readers Forum, Bhubaneswar
3	Biographical data included in Marquis Who's Who in the World 2012 Edition 29 th .

5. MEMBER OF GOVT OF INDIA/ STATE GOVT. /PUBLIC SECTOR COMMITTEES

1	Member, M P State Expert Appraisal Committee, Ministry of Environment, Forest & CC, Govt of India
2	Member, C G State Expert Appraisal Committee, Ministry of Environment, Forest & CC, Govt of India
3	Expert Member of High Level Committee Constituted by South Eastern Coalfields Ltd to review the Rescue and Recovery Work at Sharda Open Cast Mines, Sohagpur Area, SECL.
4	Expert Member of MP Public Service Commission for Selection of HOD, Polytechnic
5	Member, Academic Audit Team, Mining Engineering Dept IIT- BHU, Banaras
6	Member, DPC, Chhattisgarh Council of Science and Technology, Raipur

6. EDITORIAL WORK/REVIEWER OF MANUSCRIPTS

1	Principal, Consulting Editor, The Indian Mining and Engineering Journal
2	Reviewer of Manuscripts, Journal Scientia Iranica, International Journal of Science and Technology, (Elsevier journal)
3	Reviewer of Manuscripts, Institution of Engineers Journal, Mining Engineering Part D series (Springer Journal)
4	Reviewer of Manuscripts, International Journal of Mining Science and Technology, (Elsevier Journal)
5	Editor of the Proceeding of Mine Tech'07, National Seminar on Mining Technology- Present and Future, 21-22 Sep 2007, Bhubaneswar
6	Editor of the Proceeding of MineTECH'10, National Seminar on Mining Technology- Extraction, Beneficiation for Safe Sustainable Development, 7-8 May, 2010, Bhubaneswar

7	Editor of the Proceeding of Mine Tech'11, National Seminar on Mining Technology-for Sustainable Development ,18-19 Nov 2011, Raipur
8	Editor of the Proceeding of The National Workshop “ Clean and Green Mining in Chhattisgarh – Problems and Prospects” organized by the Mining Engineers Association of India

7. SPONSORED LABORATORY DEVELOPMENT PROJECT UNDERTAKEN

1	Development of Blasting Engineering Laboratory, AICTE, New Delhi Rs 650000.00
2	Modernization of Mine Surveying Laboratory AICTE, New Delhi Rs 500000.00
3	Development of Rock Excavation Laboratory, AICTE, New Delhi Rs 1350000.00

8. Ph D GUIDANCE

S. No	Name of Candidate	Ph D Title	Awarded/ Ongoing	Supervisor
1	Dr P Y Dhekne	Development of an ANN model for Prediction of Boulder Count in Lime Stone Quarry Blasting	Awarded (2015)	Principle Supervisor
2	Mr Pankaj Dewangan	Shear Strength Evaluation of Fly Ash Mix Coal Mine Over Burden Dump Material by Conducting Large Scale Direct Shear Test and Assessment of its Stability using Numerical Modeling Techniques	Ongoing	Principle Supervisor
3	Mr O N Tiwari	Impact of Opencast Copper Mining on Adjoining Natural Water Resources in Central India	Ongoing	Principle Supervisor
4	Miss Sunita	Development of Environmental Sustainability evaluation framework for Surface coal Mining Industry	Ongoing	Co- Supervisor
5	Mr A S Rathore	Course Work ongoing	Ongoing	Sole Supervisor

9. ASSOCIATION WITH OTHER INSTITUTE AND UNIVERSITIES

1	Executive Council Member, Chhattisgarh Swami Vivekananda Technical University, Bhilai (2005-06)
2	Dean, Faculty of Mining & Geology, Chhattisgarh Swami Vivekananda Technical University, Bhilai (2005-06)
3	Chairman, Board of Studies, Chhattisgarh Swami Vivekananda Technical, University, Bhilai (2005-06)
4	Member Board of Studies, MATS University, Raipur (C G)
5	Member, Board of Studies, AKS University, Satna (M P)

6	Member (Subject Expert), Research and Recognition Committee, Gondwana University, Gadchiroli (M S).
7	Ph D Thesis Examiner, IIT BHU, Banaras
8	Ph D Thesis Examiner, VNIT, Nagpur
9	M Thech Theis Examiner, VNIT, Nagpur
10	Question Paper Setter, Indian School of Mines, Dhanbad, Rajeev Gandhi Technical University, Bhopal, Nagpur University, Nagpur, CSVTU, Bhilai

10. MEMBERSHIP OF PROFESSIONAL BODIES

1	Institution of Engineers (India), Kolkata
2	Mining Metallurgical & Geological Institution of India ,Kolkata
3	Mining Engineer's Association of india, Hyderabad
4	Indian Society for Rock Mechanics and Tunnelling Technology, New Delhi

12. LIST OF PUBLICATIONS

S. No.	Papers in journals
Journals	
1	Tiwari O N, Pradhan M , Nandy T (2016), “Treatment of Mining Influenced Water at Malajkhand Copper Project” Desalination and Water Treatment, Taylor and Francis Journal (ISSN1944 39860) accepted.
2	Dewangan P. K. , Pradhan M. and Ramtekkar G. D. (2016), “ Shear Strength Behavior of Fly Ash Mixed Coal Mine Overburden Dump Material and Stability Assessment using Numerical Modeling’ , ARPN Journal of Engineering and Applied Science, Vol. 11, No. 1, (ISSN 1819-6608)
3	Dhekne P Y, Pradhan M , Jade R (2015), Assessment of the Effect of Blast Hole Diameter on the Number of Oversize Boulders using ANN Model, Journal of the Institution of Engineers(I) Series D.
4	Dewangan P, Pradhan M , Ramtekkar G D (2015), Effect of Fragment Size and Moisture Content on Compaction and Shear Strength Behaviour of Coal Mine Overburden Dump Material, European Journal of Advances in Engineering and Technology (EJAET) , 2(12) (ISSN 2394-658X)
5	Tiwari O N, Pradhan M , Nandy T (2015), “ Chemical Precipitation Technology and Application in Treating Mine Water- A Case Study of Malajkhand Copper Project, Metal News, Vol 18 No 1 pp 11-15 (ISSN 09720480)
6	Dhekne P Y, Pradhan M & Jade R (2014) Assessment of Performance of Explosives by Estimating the Number of Oversize Boulders using ANN Model, The Indian Mining & Engineering Journal, Vol 53, No 53, No 10, Oct pp 8-10.
7	Rathore A S, Varshney A, Pradhan M & Bajpai S (2014), “Induction Furnace Slag: An Eco Friendly Alternative of Natural Sand” The Indian Mining & Engineering Journal, Vol 53 No 02. Pp 11-14. (ISSN 00195944
8	M. Pradhan , Jade R and Dewangan P, (2013)“Policy Issues and Reforms needed for growth of Indian Thermal Power sector in an Economical and Eco-friendly way” The Indian Mining & Engineering Journal, Vol. 52, No. 7, (ISSN 00195944)

9	Dewangan P, Pradhan M Kishore N (2013), Advancement in Geotechnical Instrumentation for Monitoring Unstable Open Pit Mine Slopes: An Overview The Indian Mining & Engineering Journal Vol 52, No (ISSN 00195944
10	Dewangan P, Pradhan M Kishore N (2013), Slope Stability Radar System for Monitoring Open Pit Slope, The Indian Mining & Engineering Journal Vol 52, No 04 pp 18-21. (ISSN 00195944
11	Dewangan, P., Pradhan M & Kishore Nawal (2012), “Use of Coal Combustion Residues in Mining Industry for Sustainable Development of Mining and Power Sector Together”, The Indian Mining & Engineering Journal Vol 50, No 02, pp 24-31(ISSN00195944)
12	Jade R.K., Pradhan, M (2011), “Technological Issues in Implementing of High wall Mining in India”, The Indian Mining & Engineering Journal Vol 50, No 04, pp 8-12 (ISSN 00195944)
13	Jade R.K., Shastry, B.S.& Pradhan, M (2011), “Flow Effect of Two Way Splits and Junctions in Mine Airways- An Experimental and Computational Approach”, The Indian Mining & Engineering Journal Vol 50, No 02, pp 8-12. (ISSN00195944)
14	Pradhan Manoj (2010), Sleep Time-its Consequences on the Performance of Bulk Emulsion Explosive”, Journal of Scientific & Industrial Research, Vol 69, pp.125-128.(ISSN:0022-4456, Impact Factor0.514,SCI Journal)
15	Pradhan Manoj (2009), Effect of Charge Temperature on the Detonation Velocity of Bulk Emulsion Explosives”, Institution of Engineers Journal (Mining Series D) Vol 90,pp. 3-7.(ISSN 2250-2122, Springer Journal)
16	Jain R.K., Karera, A.C. & Pradhan M (2009), “Environment Related Legislations Applicable to Mining”, The Indian Mining & Engineering Journal Vol 48, No 11, pp 36-43. (ISSN00195944)
17	Dhekne, P.Y., Pradhan M. & Bhatia R.P.S.(2009), “Rock Fragmentation due to Blasting-Some Alien Issues” Mining Engineering Journal,Vol10, No 6,pp10-14. (ISSN00195944)
18	Dhekne P.Y., Pradhan M (2008), “Explosive Energy Distribution in Rock Blasting”, The Indian Mining & Engineering Journal Vol 47, No 06, pp 9-18. (ISSN00195944)
19	Pradhan M , Pradhan R & Dhekne P.Y.(2007), “FRAGPRED: An Automated Solution for Rock Fragmentation Prediction” The Indian Mining & Engineering Journal Vol 46, No 01, pp 20-24. (ISSN00195944)
20	Pradhan M & Pathak S (2007), “Dependency of VOD of Bulk Emulsion Explosive on its Density” The Indian Mining & Engineering Journal Vol 46, No 10, pp 118-121. (ISSN00195944)
21	Pradhan, G.K & Pradhan, M (2006), ‘Mineral Resources & Development Scenario of Chhatisgarh” The Indian Mining & Engineering Journal Vol 45, No 11, pp 37-44. (ISSN00195944)
22	Pradhan M , Verma G.R, & Ashplya B.M.(2006) ‘Evaluation of Explosive Performance by Continuous In-hole VOD Measurement in Full Scale Blast Environment” The Indian Mining & Engineering Journal Vol 45,No 09 pp14-18. (ISSN00195944)

23	Verma G.R., Pradhan M & Patel M.D.(2006), ‘Establishment of Modified Predictor Equation for Prediction of Rock Fragmentation”, Mining Engineering Journal,Vol 07,No 8,pp13-21(ISSN0975-3001)
24	Pradhan M , Pathak S, Bhattacharjee P.K. Ashplya B.M.(2006), ‘Effect of Density on Detonation Velocity of Bulk Emulsion Explosives”, Mining Engineering Journal, Vol 07,No78,pp13-17. (ISSN0975-3001)
25	Dhekne P.Y. Pradhan M , Dewangan P. Verma G.R. (2005) “Assessment of Excavation Method Using RMR Classification” The Indian Mining & Engineering Journal Vol 44, No 11, pp 25-27. (ISSN00195944)
26	Verma G.R. Pradhan M & Bhattacharyajee P.K (2005), “Use of Site Mixed Emulsion in Captive Lime Stone Mines-A New Perspective” The Indian Mining & Engineering Journal Vol 44, No 09, pp 22-26. (ISSN00195944)
27	Verma G. R. Pradhan M & Mohgaonkar A.(2005),”Flyrock Accidents –by Chance or Improper Practice” The Indian Mining & Engineering Journal Vol 44, No 07, pp 21-26. (ISSN00195944)
28	Pradhan M , Dewangan P & Dhekne P.Y.(2004), Estimation of Safe Peak Particle Velocity in the Vicinity of Blasting Site Near an Earthen Dam” Mining Engineering Journal,Vol 06,No04,pp23-28. (ISSN0975-3001)
29	Pradhan M , Dhekne P.Y. & Ashplya B.M. (2004), “ Application of Controlled Blasting for Drifting” The Indian Mining & Engineering Journal Vol 43, No 08, pp 22-26. (ISSN00195944)
30	Pradhan M (1997),”Continuous Surface Miner and its Performance” The Indian Mining & Engineering Journal Vol 36, No12, pp 90-92. (ISSN00195944)

S. No.	Papers in Conference
International Conference	
1	Pankaj Kumar Dewangan, Manoj Pradhan , G.D. Ramtekkar, (2016) Generalized Shear Strength Criteria for Soft and Weathered Coal Mine Overburden Dump Material, International Journal of Arts and Science Conference, Boston, USA, May 23-27, 2016 (Paper accepted)
2	Pankaj Kumar Dewangan, Manoj Pradhan , (2015) Fly ash utilization in India vis-à-vis technological advancement and barriers ahead, MiCTM, Dubai, March 25-26, 2015
3	Pradhan M , Balakrishana V., Pradhan G K (2015), “Use of Discarded Water Bottles in Blasting- An Innovative Enviro-Friendly Technique”, 3rd International Conference on Climate and Environment Engineering
4	Pradhan M & Pradhan G K (2014), “High Wall Mining Operations In India, “ Int. Symposium on Environment Impact Management in Mining & Mineral Industries’ Dept of Mining engineering, IIT BHU, Varansi 13-15 Feb pp676-706.
5	Raman Sundar, Satpathy R R, Satyanaryan G V Pradhan G K & Pradhan M (2013), Explosive Energy Distribution through Placement of Low Explosive air Gap –Case Study of an Indian Iron ore Mine, &th World Conference on Explosives & Blasting, Moscow Russia pp22-27

6	Dhekne P Y Pradhan M Jade R K (2013), “Artificial Intelligence and prediction of Rock fragmentation”, “Mine Planning and Equipment Selection 2013, Dresden Germany 14 th -19 th Oct.
7	“Dixit S& Pradhan M (2013), “Highwall Mining in India”, “Mine Planning and Equipment Selection 2013, Dresden Germany 14 th -19 th Oct.
8	Pradhan M. & Jade R. (2012), “Detonation Behavior of Bulk Emulsion Explosive in Watery Blast Holes” Tenth International Symp. on Rock Fragmentation by Blasting, FRAGBLAST 10,
9	Pradhan G. K., Pradhan M ,(2012), “Explosive Energy Distribution in an Explosive Column Through use of Non-explosive Material-case Studies of Some Indian Mines” Tenth International Symp. on Rock Fragmentation by Blasting, FRAGBLAST 10.
10	Pradhan M , (2011), “Effect of Charge Diameter on the VOD of Bulk Emulsion Explosive”, International Symposium on Mine Planning and Equipment Selection, Oct 12-14, Almaty, Rep. of Kazakhstan
11	Jade R.K. & Pradhan M (2011), “Coal to Liquid Fuel Technology-Present and Future” International Conf. on Technological Challenges and Management Issues for Sustainable Development of Mining Industries (TMSMI), Aug. 4-6, NIT Rourkela.
12	Pradhan G. K., Pradhan M & Thote N. R. (2009), “Use of Furnace Oil as Liquid Fuel in Site Mixed Slurry Explosive System- A Case Study” Ninth International Symp. on Rock Fragmentation by Blasting, Sep. Granda, Spain, pp 141-146
13	Gupta R.N., Pradhan M , Badal Rajeev,(1997), “A Study of Controlled Blasting Techniques in Drifting” International Seminar “ Tunelling Asia 1997, Org. by Central Board of Power & Irrigation , New Delhi,20-24 Jan, pp. 253-259.
National Conference	
1	Sunita, Jade R K, Pradhan M , (2016)”, Monitoring Land Use Dynamics of opencast Mines Through Remote Sensing”, National Seminar on Recent Practices and Innovations in Mining Industry, Raipur, 19-20 Feb 2016
2	Tiwari O N, Pradhan M , Nandy T, (2016), Impact and Mitigation of Copper Ion Concentration on Adjoining Natural Water Resources – A Case Study of Malaj Khand Copper Project , Raipur, 19-20 Feb 2016
3	Dewangan P, Pradhan M , Ramtekkar G D, (2016) Shear Strength Characterization of Fly Ash Mixed Coal mine Overburden Dump Material. National Seminar on Recent Practices and Innovations in Mining Industry, Raipur, 19-20 Feb 2016
4	Dewangan P K, Pradhan M , Ramtekkar G D (2015), Effect of Gradation, Gravel Content and Fragment Size on the Compaction and Shear Strength Behavior of Coal Mine Overburden Dump Material, SSIOMCE, NIT Rourkela, July 25-26, 2015
5	Dhekne P Y, Pradhan M , Jade R (2014), “ Fragmentation Assessment Models: An Overview, All India Seminar on Mining –Recent Advances Challenges and Scenario Beyond 2015, NIT Rourkela, Nov 8-9.
6	Pradhan M (2014), Procedure for Appraisal of Minor Mineral Mining Project for Grant of Environment Clearance, Sustainable Development in Mineral & Earth Resources SDMinER 2014: 21-22 June 2014 New Delhi pp433-438.

7	Dhekne P Y, Pradhan M , & Jade R (2014), Kuzram Model: Limitation and Their Riddance, Sustainable Development in Mineral & Earth Resources SDMinER 2014: 21-22 June 2014 New Delhi pp365-369
8	Pandy M Pradhan M & Pandey P (2014) “Acid Mine Drainage in Coal Mines of SECL consequences & Remedies, ‘PARAS- 2 nd National Conference on Recent Advancement in Science and Technology for Sustainable development of Rural Areas in Chhattisgarh, Bhilai 7 th -8 th March.
9	Pandey M, Pradhan M & Pandey P (2014) , “Solution of Acid Mine Draingae in Indian Coal mines of SECL 7 Its Prevention” Shaastrarth 2014”An Inteternation Conference on Advanced Research Allications in Engineering and technology, Rungata Group of Institutions, Bhilai, 23 rd -24 March.
10	Dewangan P, Pradhan M , Jade R, (2013) Punch Mining System: An Eco-Friendly Solution to Exploit High Stripping Ratio Coal Blocks, National Conference on Challenges in 21 st Century Mining-Environment and Allied Issues, 19-21 Feb.
11	Dewangan P, Pradhan M Kishore MN (2012), Slope Stability Radar System for monitoring Pit Slopes, Proceeding of Golden Jubilee Workshop on Mining Tedchnology, MineTech 12, Bhubaneswar,4-5 May, pp78-82.
12	Pradhan M , Jade R Dewangan P (2012), Policy Issues and Reforms Needed for Growth of Indian Thermal Power Sector in an Econmocal and Eco-friendly Way’ Proceeding of Golden Jubilee Workshop on Mining Tedchnology, MineTech 12, Bhubaneswar,4-5 May, pp78-82.
13	Pradhan M Dhekne P Y (2011), ‘Blast Practices vis-à-vis Rock Fragmentation : A Caser Study of Lime Stone Quarries in Raipur District’, ‘Proceeding of Natrional Seminar on Explosives and Blasting Techiques for Mining,Quarrying & Infrastructure Industry, NIT Suratkal Feb 18-19 pp 128-139.
14	Singh V. K., Pradhan M . (2011), “Environment Clearance Process for Mining Projects”, National Seminar on Mining Technology for Sustainable Development” Nov.18-19, Raipur.
15	Hedau Smriti, Singh V.K. & Pradhan M .(2011), “Effect of Accelerator on the Rate of Chemical Gassing of Bulk Emulsion Explosives”, National Seminar on Mining Technology for Sustainable Development” Nov.18-19, Raipur.
16	Vansutre S, Pradhan M . & Singh A(2011), “Gemstone Mineralization in Bastar , Chhattisgarh and its Possible Role in Human Resourse Development” National Seminar on Mining Technology for Sustainable Development” Nov.18-19, Raipur
17	Pradhan M (2010), Dependency of Detonation Velocity of Bulk Emulsion Explosives on Charge Diameter ‘, Proceeding of National Seminar on Global Advancement in Iron and Steel Industry and Its Application in Indoian Context Jan 18 Ranchi pp 14-19.
18	Pradhan M . & Dhekne P.Y.(2009), “ Analysis of VOD-Diameter Data of Bulk Emulsion Explosives” MineTECH 10 National Seminar Mining Technology-Extraction, Beneficiation for Safe and Sustainable Development, May 7-8, Bhubneswar, pp 134-138

19	Dewangan P, Pradhan M & Kishore N (2009), Utilization of Fly Ash as Structural Fill Material for Safe and Sustainable Development: Need of the Hour” MineTECH 10 national Seminar Mining Technology-Extraction, Beneficiation for Safe and Sustainable Development, May 7-8, Bhubneswar, pp 134-138
20	Pradhan M (2009), “Bulk Explosive System Some Practical Tips” Seminar on Safety in Bulk Explosives” Org. by Petroleum & Safety Organization, Bhopal, 5 th March, Bhopal, pp 1-12.
21	Patel M.D., Rawani, A. M. & Pradhan M (2009), “Environmental Impact Assessment Methodology of Noise Pollution due to Mining and Control Strategy: An Overview “International Symp. on Rock Mechanics & Geo Environment in Mining & Allied Industries, BHU, Varansi. pp. 556-562.
22	Dhekne P.Y, Pradhan M & Dewangan P (2008), “Role of Rock Mass Classification in Site Characterization” National Conference on Emerging Trends in Civil Engineering for Infrastructure Development, Org. by Dept of Civil Engineering ,NIT, Raipur, Dec 15-16,pp 226-233.
23	Dhekne P. Y. & Pradhan M (2007), “An Unexplored Aspect of Mine Accidents – Stress” Annual Mines Safety Fortnight, Wani Area WCL, Jan,02.
24	Pradhan M , Pathak S(2007), “ Dependency of VOD of Bulk Emulsion Explosive on its Density”, Mine Tech’07 National Seminar on Mining Technology –Present and Future, 21-22 Sept, pp118-121.
25	Dhekne P.Y. Pradhan M . (2006), “Rock Fragmentation Assessment by Image Analysis Software” National Seminar on Clean and Green Mining in Chhattisgarh: Problem and Prospects, Raipur Oct, 28
26	Vansutre S, Pradhan M , Sahu G.R (2006) “On the Potentialities of Gem Industry in Chhatisgarh” Conf. on Development of Chhatisgarh Vision 2010, Org by FOST, April 02,.
27	Mishra, V.K. Mishra, A.K. & Pradhan M (2005), “Mass Production Technology with Continuous Miner” Conference on Technological and Environmental Challenges in Mining and Allied Industries in the 21 Century , 5-6, Feb. 2005, NIT, Rourkela, India. pp15-25.
28	Pradhan M , Dhekne P.Y., Verma G.R. & Kumar Shekhar (2005), VOD-An Important Parameter for Selection of Explosives, 3 rd National Seminar on Rock Excavation Techniques, RockEx’05, Nagpur Jan 8-9 pp 225-228.

13. CONSULTANCY PROJECTS

S. No	Organization	Title of project	Amount of grant	Period	Role
1	Chhattisgarh Environment and Conservation Board	Preparation of Drainage pattern of River Ganga basin in Chhattisgarh State	24.0 lakh	ongoing	PI

2	Ultra Tech Cements	Establishment of Ground Vibration Predictor Equation for Hirmi Limestone Mine of M/S Ultratech Cement.	337080.00	2014	PI
3	South Eastern Coal Fields Ltd	Evaluation of Sustainable development work carried out by South Eastern Coalfields Ltd	262273.00 7	2012-13	PI
4	South Eastern Coalfields Ltd	Evaluation of Progress of R & D work awarded by South Eastern Coalfields Ltd	825846.00	2012-13	PI
5	M/S KSK Mahanadi Power Company Ltd, Akaltara	Monitoring of Blast Practice and Controlled Blast Designing for the Construction of KSK Mahanadi Power Plant, , 2010-11	220600=0 0	2010-11	PI
6	Century Cement limestone mine, Baikunth	Establishment of Ground vibration predictor Equation	110300=0 0	2010-11	PI
7	M/S South Eastern Coalfields Ltd. Sohagpur Area,	Study of Effect of Blast Induced Ground Vibrations on Structure Near Dhanpuri & Amlai OCP	110300=0 0	2009-10	PI
8	M/S Steel Authority of India Ltd. Bhilai	Assessment of Technical Feasibility of The Bulk Emulsion Explosive at the Mines of SAIL	157304=0 0	2009-10	PI
9	M/S Fatehpur East Coal Company, Raipur	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	179238=0 0	2009-10	PI
10	M/S Shriram Gemicom	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	160487=0 0	2009-10	PI
11	M/S Sharda Minerals, Kawardhi OCP	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	121330=0 0	2008-09	PI
12	M/S Soth Eastern Coalfields Ltd., Rajendra Sub Area, Sohagpur	Assessment of Strength Properties of Coal Measuring Rocks	111955=0 0	2008-09	PI
13	Century Limestone Mine, Baikunth	Establishment of Ground Vibration Predictor Equation	61732=00	2007-08	PI

14	Raipur Alloys and Steel, Raipur	Ground Vibration Monitoring at Dongarbor Iron Ore Mine,	52972=00	2007-08	PI
15	National Thermal Power Corporation, Sipat, Bilaspur	Investigation in to Founding Levels,	55000=00	2006-07	PI
16	Manikpur OCM, SECL, Bilaspur	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	74591=00	2006-07	PI
17	Italian Thai Dev. Ltd, Kyan H P	Controlled blast design and Blast monitoring at Kol dam Hydro electric Project	481206=00	2005-06	PI
18	Super Thermal Power Project, NTPC Sipat., Bilaspur	Geotechnical Investigation for the Assessment of Blastability of The Strata at The Raw Water Reservoir Site, Stage II ,	275500=00	2005-06.	PI
19	Stage II, NTPC Sipat., Bilaspur	Classification of Strata at the Raw Water Reservoir Site Stage II	44480=00	2005-06	PI
20	M/S SEW Construction Ltd., Hyderabad	Controlled blast design for the Protection of Earthen Dam at sikasar Micro hydro electric Plant of CSEB	50000=00	2004-05	PI
21	M/S South Eastern Coal Fields Ltd. Rajendra and Nawagao Sub Area, Shahdol	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	114000=00	2003-04	PI

14. IMPORTANT ACADEMIC AND ADMISTRATIVE RESPOSIBILITIES HELD

1	Head, Department of Mining Engineering, NIT Raipur.(2004-2009)
2	Chief Warden(boys), NIT, Raipur
3	Member, Senate, NIT Raipur
4	Chairman, Doctoral Research Committee, Mining Engineering Department, NIT, Raipur
5	Member, Academic Advisory Committee, NIT, Raipur (2008-09, 2009-10)
6	Member of Central Purchase Committee, NIT Raipur (2007-08)
7	Member, Research and Consultancy Committee, NIT, Raipur
8	Member Selection Committee for the Post of Assistant Professor (Mining), NIT, Raipur (2009)

15 . EXTRA CURRICULAR /SOCIAL/ CULTURAL ACTIVITIES

1	Patron and Founder of Students Education Assistance Fund, GECNIT Alumni Association
2	Coordinator, Silver Jubilee Reunion of 1985 batch of GECNIT
3	Founder Member, GECNIT Alumni Association, NIT, Raipur
4	Chairman, Stage Management Committee, Golden Jubilee Celebration of GEC, Raipur
5	Executive Committee Member, (Mining Division), The Institution of Engineers (India), Chhattisgarh State Centre.
6	Executive Member of GECNIT Raipur Alumni Association
7	Founder Member, Rotary Club of Raipur Greater, Raipur
8	Member, Wildlife Society of Chhattisgarh