



Centre for Science and Environment

Training Programme on Mine Management and Compliance Assurance

14 – 25 September, 2015

Day 1: 14th September, 2015

Time	Topic	Speaker
10.00 – 10.15	Introduction to Participants	Digvijay Singh, Senior Research Associate, CSE
10.15 – 11.00	About Centre for Science & Environment and its work in Sri Lanka	Swati Singh Sambyal Senior Research Associate, CSE
11.00 – 11.15 Tea		
11.30 – 12.30	Environment & Social Issues associated with Mining Projects	Sujit Kumar Singh, Programme Manager, CSE
1.00 – 1.45 Lunch		
1.45 – 2.15	Movie: Underground Inflow	
2.15 – 3.00	Environment Clearance Processes in India	Sujit Kumar Singh, Programme Manager, CSE
3.15 – 3.30 Tea		
3.30 – 5.30	Class exercise – Strength & Weakness of Environmental Clearance Process in India and Sri Lanka	Sujit Kumar Singh, Programme Manager, CSE

Day 2: 15th September, 2015

10.00 – 11.30	Presentation by groups on Strength and Weakness of Environment Clearance Process in India and Sri Lanka	Digvijay Singh, Senior Research Associate, CSE Navi Gupta, Research Associate, CSE
11.00 – 11.15 Tea		
11.15 – 12.30	Mining & its impact on Bio-diversity	Sujit Kumar Singh, Programme Manager, CSE
12.30 – 1.15 Lunch		
1.15 – 2.00	Movie: Buddha Weep	
2.00 – 2.30	How to prepare Terms of Reference (ToRs) for mining project	Sujit Kumar Singh, Programme Manager, CSE
2.30 – 2.45 Tea		
2.45 – 5.45	Class exercise - Preparation of ToRs for mining project	Sujit Kumar Singh, Programme Manager, CSE

Day 3: 16th September, 2015

9.00 – 11.00	Mine exploration and assessment including class exercise on mineral assessment	Arun Kumar Yadav, Independent consultant
11.00 – 11.15 Tea		
11.00 – 12.30	Mine planning – Indian experience	Arun Kumar Yadav, Independent consultant
12.30 – 1.15 Lunch		
1.15 – 2.00	Presentation by participants – Mine planning Sri Lankan experience	Sujit Kumar Singh, Programme Manager, CSE & Arun Kumar Yadav, Independent consultant
2.00 – 3.00	Indian Experience – Laws and Rule applicable on mining project	Sujit Kumar Singh, Programme Manager, CSE & Arun Kumar Yadav, Independent consultant
3.00 – 3.15 Tea		
3.15 – 4.15	Discussion – learning from each countries	Sujit Kumar Singh, Programme Manager, CSE & Arun Kumar Yadav, Independent consultant



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Day 4: 17th September, 2015

Time	Topic	Speaker
9.30 – 10.30	Mining technology including different explosives used in India and its significance	Dr. S P Banerjee, Former Director, ISM Dhanbad
10.30 – 10.45 Tea		
10.45 – 11.45	Mining and its impact on hydrology and mitigation measures	Dr. S P Banerjee, Former Director, ISM Dhanbad
11.45 – 12.30	Framework for conducting mine inspection	Dr. S P Banerjee, Former Director, ISM Dhanbad
12.30 – 1.15 Lunch		
1.15 – 3.00	Class exercise: Preparation of inspection checklist for mine inspection	Dr. S P Banerjee, Former Director, ISM Dhanbad
3.00 – 3.15 Tea		
3.15 – 4.45	Discussion on class exercise and feedback incorporation Note : Same check list will be use for limestone mine inspection	Dr. S P Banerjee, Former Director, ISM Dhanbad

Day 5: 18th September, 2015

9.30 – 11.00	Mine safety and its management with reference to open cast and underground mine	Dr. S P Banerjee, Former Director, ISM Dhanbad
11.00 – 11.15 Tea		
11.15 – 1.30	Tools and technique for impact assessment	Sujit Kumar Singh, Programme Manager, CSE
1.30 – 2.15 Lunch		
	Depart for JK Lakshmi limestone mine	

Day 11: 19th September, 2015

	Visit to JK Lakshmi limestone mine and understand mine management practices	JK Lakshmi Cement Representative & Inspection of mine
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Day 12: 20th September, 2015

	Visit to Mount Abu	
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Day 7: 21st September, 2015

	Holiday, participants can go to Taj mahal	
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Day 9: 22th September, 2015

	Holiday	
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Day 10: 23rd September, 2015

10.00 – 11.30	Air quality assessment	Dr. D. D Basu, Former Add Director, CPCB, Advisor to CSE
11.30 – 11.45 Tea		
11.45 – 1.30	Best practices in mine management (air, water, waste and noise)	Sujit Kumar Singh, Programme Manager, CSE
1.30 – 2.15 Lunch		



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Time	Topic	Speaker
2.15 – 3.00	Overview on site visit	Sujit Kumar Singh, Programme Manager, CSE
3.00 – 3.15 Tea		
3.15 – 5.45	Class exercise – Preparation of Environmental Management Plan for mining projects	Sujit Kumar Singh, Programme Manager, CSE
5.45 – 6.30	Presentation on class exercise	Sujit Kumar Singh, Programme Manager, CSE
Day 13: 24th September, 2015		
11.00 – 1.30	Class exercise - Preparation of inspection report based on site visit	Sujit Kumar Singh, Programme Manager, CSE
1.30 – 2.15 Lunch		
2.15 – 3.15	Presentation – Finding of inspection report	Sujit Kumar Singh, Programme Manager, CSE
3.15 – 3.30 Tea		
3.30 – 4.30	Benefit Sharing – Learning from Indian experience	Srestha Banerjee, Deputy Programme Manager, CSE
Day 14: 25th September, 2015		
9.00 – 12.30	Class exercise – Review of EIA & EMP report of mining project followed by presentation by each group	Sujit Kumar Singh, Programme Manager, CSE
12.30 – 1.15 Lunch		
1.15 – 2.30	Class exercise – Environmental clearance conditions	Sujit Kumar Singh, Programme Manager, CSE
2.30 – 2.45 Tea		
2.45 – 3.45	Feedback and Certificate distribution	Chandra Budshan, Deputy Director General, CSE