



One Week Advanced Training Programme Environmental Management of Mines

(MARCH 12-16, 2012)

Day 1: 12/3/2012, Monday

9:00 am - 9:30 am Registration

Time	Topic	Speakers
9:30 am - 10:30 am	Introduction and About Regulatory Programme	Chandra Bhushan Deputy Director General Centre for Science and Environment (CSE)

10:30 am - 10:50 am Tea

10:50 am - 11:50 am	Environmental Issues with Mining	Chandra Bhushan, CSE
11:50 am - 1:00 pm	Institutional framework and overview of different legislations related to mining and environmental legislations	Nivit Kumar Yadav, CSE

1:00 pm - 2:00 pm Lunch

2:00 pm - 3:00 pm	Environmental Clearance process in India and Public Consultation	Sugandh Juneja, CSE
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3:00 pm - 3:15 pm Tea

3:15 pm - 4:30 pm	Forest Clearance process with respect to mining projects and issues	D.N.F. Carvalho, IFS* Deputy Conservator of Forest, Monitoring and Evaluation, Panaji
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Day 2: 13/3/2012, Tuesday

9:00 am - 10:30 am	Mining Technology	Prof S P Banerjee, Former Director, Indian School of Mines
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10:30 am - 10:50 am Tea

10:50 am - 12:30 pm	Environment Monitoring of Mines: <ul style="list-style-type: none"> ● What to monitor? ● Where to monitor? ● Overburden, topsoil and waste management 	Indian Bureau of Mines (IBM)*
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12:30 pm - 1:30 pm Lunch

1:30 pm - 3:00 pm	Mine Planning: <ul style="list-style-type: none"> ● What to see in a mine plan? ● How good mine planning can reduce environmental impacts? ● Case study 	Prof S P Banerjee, Former Director, Indian School of Mines
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3:00 pm - 3:20 pm Tea

3:20 pm - 4:30 pm	Application of GPS for Environmental Management of Mines	CSE
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*Invited, not yet confirmed

Day 3: 14/3/2012, Wednesday

9:00 am – 10:30 am	Mine closure and mine management: <ul style="list-style-type: none">● Mine closure plan (Open cast and underground mine)● Mine management such as overburden, topsoil etc.● Issues such as mine fire	Prof S P Banerjee, Former Director, Indian School of Mines
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10:30am – 10:50am Tea

10:50 am – 12:30 pm	Compliance assurance of mine <ul style="list-style-type: none">● Component of consent● Monitoring protocol● Compliance and enforcement	Dr Mohan Girat, Scientist 'B', Goa State Pollution Control Board (GSPCB)
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12:30pm – 1:30pm Lunch

1:30 pm – 5:00 pm	Site visit to Curpem Mine: Environmental monitoring of mine	Goa State Pollution Control Board
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Day 4: 15/3/2012, Thursday

Site visit to Sesa Goa's Sonshi Mine and Sanquelim mine

9.00 am - 10.00 am Departure from Panjim and travel to Sonshi mines

10:00 am - 11:00 am Presentation by Sesa Goa on environment management of mines

11:00 am - 11:45 am Visit to Sonshi Mine working pit

11:45 am - 12:15 pm Travel to Sanquelim mine

12.15 pm - 12.45 pm View of working mine and overburden management

12:45 pm - 2:00 pm Lunch

2:00pm - 3:00 pm Visit to Sesa Foot ball Academy and Sesa Technical School

3:00pm - 4:30 pm Visit to reclaimed mine pit (medicinal gardens, pisciculture pond, horti- silviculture plantations, bamboo pavillion etc.)

4:30 pm – 5:30 pm Travel back to Panjim

Day 5: 16/3/2012, Friday

9:00 am – 12:00 pm	Class exercise: Preparation of consent to establish and consent to operate followed by group presentation	Prof S P Banerjee, Former Director, Indian School of Mines Nivit Kumar Yadav, CSE
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12:00 pm – 1:00 pm What is a good mine? Discussion

1:00 pm – 1:30 pm Valedictory Session

1:30 pm – 2:00 pm Lunch