



Health and Safety in Tunnel Construction New Delhi 20 – 21 February 2012 India Habitat Centre

Objective: to provide an introduction to Health & Safety (H&S) in tunnel construction. The seminar would provide a general overview to be followed by more in-depth sessions on the hazards and risk associated with specific tunnelling techniques, generic safety issues affecting all tunnels and generic health issues arising from tunnelling activity. The seminar is aimed at Clients, Designers and Contractors.

Lectures will be delivered by Donald Lamont (Director Hyperbaric & Tunnel Safety Ltd, UK) & Martin Vogel (SUVA, Swiss Accident Insurance Fund).

Tentative Programme

Day 1

Session 1: General overview

- 09.00 – 09.45: Welcome & Opening: ITA and concerned country representatives
- 09.45 – 10.30: Introduction to H&S from WG5 including video
- 10.30 – 11.00: Coffee break
- 11.00 – 11.30: Legislation relevant to host nation, Guidance
- 11.30 – 12.30: Hazard identification, risk assessment and risk management
- 12.00 – 12.30: Role of parties to contract, contract requirements for H&S, H&S competence of contractor
- 12.30 – 14.00: Lunch

Session 2: Hazards and risks associated with different construction methods

- 14.00 – 14.45: Machine tunnelling in soft ground and hard rock
- 14.45 – 15.30: Drill & Blast and explosives safety
- 15.30 – 16.00: Coffee break
- 16.00 – 16.45: Sprayed Concrete Lined Tunnelling
- 16.45 – 17.30: Hand tunnelling, Shaft sinking, Ground improvement, Compressed air, Membranes, Tunnel services
- 17.30 – 18.00: Questions and Answers



Health and Safety in Tunnel Construction New Delhi 20 – 21 February 2012 India Habitat Centre

Day2

Session 3: Safety in tunnelling construction

09.00 – 09.45: Fire

09.45 – 10.30: Tunnel transport and access

10.30 – 11.00: Coffee break

11.00 – 11.45: Emergency procedures, Communications, Lighting

11.45 – 12.30: Ventilation

12.30 – 14.00: Lunch

Session 4: Health in tunnel construction

14.00 – 14.45: Occupational Health

14.45 – 15.30: Welfare

15.30 – 16.00: Coffee break

16.00 – 16.30: First aid

16.30 – 17.00: Competence of work force (training)

17.00 – 17.30: Personal safety, Atmosphere monitoring, self-rescuers

17.30 – 18.00: Questions and Closing remarks