

Day 1 Field trip to Balakot

18 March 2006 Saturday

	Time	Travel
	7:00 - 7:30	Orientation for the field visit
	7:30 – 8:30	Islamabad - Hasanabdal
	8:30 – 10:30	Hasanabdal - Abbottabad
	10:30 – 11:00	Tea
	11:00 – 12:30	Abbottabad - Manshera – Balakot (Stop before Jagir at high elevation area on the road)
Lunch will be served at appropriate time and place		
Day1 First Stop: before Jagir (high elevation area on the road) : 1 hour (12:30 -13:30)		
Synoptic view of Balakot area and surroundings Geological briefing: Ghazanfar Ali Khatak (NCEG)		
Visual Interpretation of satellite images of different resolution –:		
Landsat etm+: Location, Landform, Landuse, Geology, Landslide, Settlement etc.		
IKONOS: Location, damage level of Settlement area, bridge, road, track and trail etc.		
Group discussion		
	13:30 - 14:00	Jagir - Balakot
Day 1 Second Stop: Balakot : 2 hours (14:00 – 16:00)		
Briefing:		
Topography of Balakot - Location, damage assessment of settlement and infrastructure - house/buildings, type of construction, type of material, social infrastructure - school, hospital, transportation - bridge, road, track and trail,		
Understanding of geology with special focus on structure – fault, thrust, fold, joint and different types of Landforms		
Understanding of landuse pattern– urban, agriculture, forest, water bodies and others		
Understanding of landslide – type, material, mechanism of failures, slope, aspect		
	16:00 - 18:00	Balakot - Abbottabad
	20:00	Dinner
		Night Haltage in Abbottabad

Day 2 Field trip to Muzaffarabad

19 March 2006 Sunday

	Time for travel	
	7:00 -7:30	Breakfast
	7:30 – 8:15	Abbottabad – Manshera
	8: 15 – 9:15	Manshera – Garhi Habib Ullah
	9:15 – 9:45	Garhi Habib Ullah - Lohargali
Day 2 First Stop: Lohargali: 1 hour (9:45 – 10:45)		
Briefing and synoptic view of Muzaffarabad area and surroundings Geological briefing: Ghazanfar Ali Khatak (NCEG)		
Visual Interpretation of satellite images of different resolution –		
Landsat etm+: Location, Landform, Landuse, Geology, Landslide, Settlement etc.		
IKONOS: Location, damage level of Settlement area, bridge, road, track and trail etc.		
Group discussion		
	10:45 – 11:15	Lohargali – Muzaffarabad
Day 2 Second Stop: Muzaffarabad : 2 hours (11:15 – 13:15)		
Visit to Department of Agriculture, MINFAL and presentation by Dr. Hak Nawaz Khan, Director General,		
Breifing of Geology and Geomorphology with special focus on structure – fault, thrust, fold, joint and different types of Landforms of Muzaffarabad		
Damage assessment of settlement and infrastructure - house/buildings, type of construction, type of material, social infrastructure - school, hospital, transportation - bridge, road, track and trail,		
Understanding of landuse pattern – urban, agriculture, forest, water bodies and others		
Understanding of landslide – type, material, mechanism of failures, slope, aspect		
Guest field lecture about the building failures and weakness of the construction and demonstrate the demonstration site in Muzafarrabad by Mr. Bijay K Upadhyay, Earthquake tech and training specialist, NSET, Nepal.		
Lunch will be served at appropriate time and place		
	14:00 – 16:00	Muzaffarabad - Murree
	16:00 – 17:00	Murree - Islamabad
		Adjourn of the field trip