

Report on Detailed Soil Survey and Rehabilitation of Soils in
Durgapur, Padmapur, Mana, Hindustanlal peth, Gauri Dhuptola
and sastic open cast mine Project (Western Coalfields Ltd.,)
Chandrapur district (M. S.)

ABSTRACT

- 1 Surveyed area : 'A'1, 'A'2 and 'B'
blocks of W. C. L.,
Chandrapur area
Maharashtra State
- 2 (a) Total area reported : 7,071 ha
and mapped
- (b) Kind of survey : Detailed Soil Survey
- (c) Period of Survey : April, 1987 to June, 1987
- 3 (i) Soil series mapped and area covered by each (ha)

Sl. No.	Name of soil series	Total area (ha)	Percent
1	Chandrapur	300	4.2
2	Dhuptola	1647	23.3
3	Durgapur	1319	18.6
4	Gauri	1217	17.2
5	Nandgaon	144	2.1
6	Padmapur	1046	14.8
	Total :	5673	80.2

(ii) Other features including
Nalla / River, village,
Colony, Road, Tank, Mine,
O.B.D. Sand dump, Coal
dumps etc.

Grand Total : 7071 100.0

4 Land capability classification :

Sl. No.	Land capability classes	Area (ha)	Percent	Soil series
1	II	2310	40.7	Chandrapur, Dhuptala, Durgapur, Gauri, Nandgaon, Padmapur
2	III	1732	30.5	Dhuptala, Durgapur, Gauri, Nandgaon, Padmapur
3	IV	1616	28.5	Dhuptala, Durgapur, Gauri, Nandgaon, Padmapur
4	VI	15	0.3	Padmapur
Total :		5673	100.0	-

The area under other features does not include.

5 Salient features and specific problems :

- 1 The surveyed area is covered by very deep soils.
- 2 A small part 0.3 % of the surveyed area suffers from very severe erosion.
- 3 A large part 59.2 % of the surveyed area suffers from moderate erosion hazards.
- 4 The area suffering from moderate and severe erosion hazard requires immediate soil and water conservation measures.