

Report on Detailed Soil Survey and Rehabilitation of
Soils in Gevra Open Cast Project (Korba Coal Mines),
Tahsil- Katghora, Dist.- Bilaspur (Madhya Pradesh).

ABSTRACT

1. Survey area : Gevra Open Cast mine project, Dist.-Bilaspur (M.P.)
- 2.(a) Total area reported and mapped : 1704 ha
- (b) Kind of Survey : Very high intensity Detailed Soil Survey.
- (c) Period of Survey : November 1984 to December 1984.
- 3.(i) Soil Series mapped and area covered by each (ha):

Sr. No.	Name of the Series	Total Area		Zone-wise area (ha)			
		(ha)	%	Zone 'A'		Zone 'B'	
					%		%
1.	Dhurena	129	7.6	-		129	(28.4)
2.	Ghatmunda	131	7.7	75	(6.0)	56	(12.3)
3.	Kusmunda	496	29.1	419	(33.5)	77	(16.9)
4.	Naraibod	492	28.8	339	(27.1)	153	(34.0)
5.	Nawagaon	136	8.0	136	(10.9)	-	-
Total ..		1384	81.2	969	(77.5)	415	(91.6)
(ii) Other features as habitation, mine, road, rail, rock-out crop etc.		320	18.8	281	(22.5)	39	(8.4)
Grand Total :		1704	100.0	1250	(100.0)	454	(100.0)

4. Land Capability Classification :

Land Capability Class	Area (ha)	%	Soil Series
II	80	5.8	Dhurena and Kusmunda
III	1281	92.6	1. Naraibod 2. Dhurena 3. Kusmunda 4. Ghatmunda 5. Nawagaon
IV	23	1.6	1. Kusmunda 2. Naraibod
Total :	1384	100.0	

Salient features :

1. The surveyed area in the project ^{is} covered by deep to very deep soils (100.0%)
2. The arable lands suitable for agriculture account for 1384 ha (81.2%) out of the total area of 1704 ha.
3. The volume of top soil available for rehabilitation purposes is 1,31,05,000 m³ in Zone A and 48,33,000 m³ in Zone B.