

Report on

Detailed Soil Survey and land Use of Subwatershed Hd2k, Mahanadi Catchment, Tahsil-Sarangarh, Distt- Raigarh (Madhya Pradesh)

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ABSTRACT

1. Survey area : Subwatershed Hd2k Mahanadi Catchment Tahsil-Sarangarh, Distt- Raigarh (M.P.)
2. Total area reported and mapped : 6,250 ha
3. Type of Survey : Detailed Soil Survey.
4. Period of Survey : June, 1987
5. Soil Series mapped and area (ha) covered by each.

Sr. No.	Name of the Soil Series and Symbol	Area (ha)	Percentage
1.	Chaurisimal (CM)	266	4.3
2.	Debrigarh (DG)	849	13.8
3.	Khajuriya (KJ)	231	3.8
4.	Lohara (LR)	3,360	54.7
5.	Lohrabehra (LB)	946	15.4
6.	Mekra (M)	489	8.0
Total		6,141	100.00

NOTE : 1) Area under Soil Series- 6,141 ha-98.3%
 2) Area under road, nala- 109 ha- 1.7%
 habitation etc.

Grand Total 6,250 ha- 100.0%

6 Land Capability Classification:

Classes	Total area (ha)	Percent	Name of the Soil Series
II	1,404	60.0	Debrigarh, Lohrabehra, Mekra
III	128	5.5	Debrigarh, Khajuriya, Lohrabehra, Mekara
IV	331	14.2	Debrigarh, Khajuriya
VI	425	18.2	Choursimal, Debrigarh, Khajuriya, Lohara, Mekra
VII	50	2.1	Lohara
Total	2,338	100.0	
Misc. Revenue	109		
Reserved forest	3803		
Grant total	6,250		

7. Specific Problems :-

Sr.No.	Nature of Problems	Area (ha)%	Name of Soil Series
1.	Moderate erosion	378 (6.2)	Debrigarh, Khajuriya, Mekra
2.	Severe erosion	4,578 (74.5)	Choursimal, Debrigarh, Khajuriya, Lohara, Mekra
	Total	4.956 (80.7)	

