

**REPORT ON DETAILED SOIL SURVEY AND LAND USE OF RM6J SUB WATERSHED OF RENGALI RVP CATCHMENT, DISTRICT- WEST SINGHBHUM, JHARKHAND.**

**ABSTRACT**

1. Survey area : Priority sub-watershed Rm6j of Rengali dam catchment, P.S.-Noamundi, District West Singhbhum, Jharkhand.
2. Type of survey : Detailed Soil Survey.
3. Total area : 2413 ha.
4. Period of survey : Dec.2001 to January, 2002.

5. Soil series mapped and their distribution

Sl. No.	Soil Series	No. of Mapping Units	Area (ha.)	%
1.	Amwatikar(AT)	5	350	14.5
2.	Bairiya(BA)	5	182	7.5
3.	Chirkunda(CK)	3	120	5.0
4.	Jugrat(JT)	5	492	20.4
5.	Kanika(KK)	2	153	6.3
6.	Kinamar(KM)	6	960	39.8
7.	Victoria(VT)	3	115	4.8
Total		29	2372	98.3
Miscellaneous		-	41	1.7
G. Total		29	2413	100

6. Distribution of Area under Different Land Capability Classes

Sl. No.	Land Capability Classes	Area in ha.	Percentage
1.	Class-II	774	32.1
2.	Class-III	288	11.9
3.	Class-IV	485	20.1
4.	Class-VI	475	19.7
5.	ClassVII	350	14.5
Total		2372	98.3
Miscellaneous		41	1.7
G. Total		2413	100

7. Salient Features and Specific Problems of the Area

Sl. No.	Particulars	Area in ha.	Percentage
1.	Total area	2413	100
2.	Miscellaneous area)Habitation, Pond, River)	41	1.7
3.	Area under forest	817	33.9
4.	Area under cultivation	794	32.9
5.	Good cultivable land	794	32.9
6.	Moderately good cultivable land	115	4.7
7.	Fairly good cultivable land	153	6.3

8.	Shallow soils	1310	54.3
9.	Deep soils	153	6.3
10.	Very deep soils	909	37.7
11.	Terraced and banded land	794	32.9
12.	Area having high water water table	120	5.0
13.	Area free from stone & rock	1062	44.0
14.	Severely stony and rocky land	1310	54.3
15.	Moderately eroded land	720	30.0
16.	Severely eroded land	952	39.4