

**REPORT ON DETAILED SOIL AND LAND USE SURVEY OF Tb2d SUBWATERSHED OF TILAYA DAM CATCHMENT (D.V.C.) DISTT. CHATRA OF BIHAR STATE UNDER INDO - GERMAN BILATERAL PROGRAMME.**

**A B S T R A C T**

1. Survey area :- Priority subwatershed No. Tb2d of Tilaya dam catchment (D.V.C) Distt. Chatra of Bihar state.
2. Type of Survey:- Detailed soil survey.
3. Total area surveyed & mapped:- 1751 ha.
4. Period of survey:- May 93 to June 1993.
5. Soil series mapped and their distribution

1. Sl. No.	2. Soil Series	3. No. of mapping units	4. Total area (ha)	5. %
1.	Amgaon	3	109	6.2
2.	Bargaria	4	251	14.3
3.	Bendukani	4	342	19.5
4.	Bidder	3	92	5.3
5.	Karma	1	15	0.9
6.	Larahi	3	58	3.3
7.	Parkala	4	365	20.8
8.	Sukara	5	431	24.7
9.	Tileibani	3	41	2.3
	Total:-	30	1704	97.3
	Misc area (Tank road habitation etc.)		47	2.7
	Grand Total		1751	100%

## 6. LAND CAPABILITY CLASSIFICATION:-

1. Sl No.	2. Land capability class	3. Area in ha	4. Percentage	5. Series involved.
1.	2.	3.	4.	5.
1.	II	403	23.1	Bidar, Larahi, Parkala, Bargaria Tileibani and Amagaon
2.	III	432	24.6	Karma, Parkala and Sukara
3.	IV	444	25.4	Parkala, Bargaria and Sukara
4.	VI	425	24.4	Bargaria, Parkala & Bendukani
	Total	1704	97.3	
	Misc, land type habitation, road tank river	47	2.7	
	Grand total	1751	100%	

## 7. SAILENT FEATURES OF THE AREA:-

1. Sl No.	2. Features	3. Subwatershed No. Tb2d area in ha.	4. %
1.	2.	3.	4.
1.	Shallow soil	342	19.5%
2.	Moderately deep soil	431	24.6%
3.	Deep soil	530	30.3%
4.	Very deep soil	401	22.9%
5.	None to slight erosion	439	25.0%
6.	Moderately eroded	396	22.7%
7.	Severly eroded	691	41.2%

(Contd.)

1.	2.	3.	4.
8.	Very severely eroded	178	8.4%
9.	Severly stony	181	10.3%
10.	Misc Area	47	2.7%