

# REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Db6c, Db6k AND Dc2p SUBWATERSHEDS OF DANTIWADA R.V.P CATCHMENT (BANAS R.V.P), TEHSIL ABU ROAD, DISTRICT SIROHI, RAJASTHAN.

## A B S T R A C T

1. **Surveyed Area:** Db6c, Db6k, and Dc2p Subwatersheds of Dantiwada R.V.P Catchment (Banasa R.V.P), Tehsil Abu Road, District Sirohi, Rajasthan
2. **Location:**  
Latitude 24°25' to 24°42' N  
Longitude. 72°47'15" to 72°55'10" E.
3. **Total Surveyed Area:** 6,835 ha
4. **Number of Villages:** 15
5. **Type of Survey:** Detailed Soil Survey
6. **Period of Survey:** December 2001 to March, 2002
7. **Agro-climatic Zone:** 13
8. **Number of Soil Mapping Units:** 17

**9. Soil Series Mapped With Their Extent Under Different Subwatersheds.**

(Area in ha)

Sl. No.	Name of the Soil Series	No. of Soil Mapping Units	Subwatersheds			Total Area
			Db6c	Db6k	Dc2p	
1.	Chandela	4	92	27	235	354
2.	Kachholi	2	-	-	172	172
3.	Khakharwara	2	-	-	262	262
4.	Kumbhariya	1	91	160	-	251
5.	Nagpura	2	1458	2300	1404	5162
6.	Nichlagarh	2	-	60	-	60
7.	Richhdi	2	47	118	14	179
8.	Sangna	2	130	70	-	200
Subtotal		17	1818	2735	2087	6640
Misc.		-	82	45	68	195
Grand Total		18	1900	2780	2155	6835

10. Distribution of Land Capability Units (LCU) Under Different Subwatersheds.

Sl. No.	Land Capability Units	Subwatersheds			Total Area
		Db6c	Db6k	Dc2p	
1.	II - 1	73 (3.9)	176 (6.3)	349 (16.2)	598 (8.7)
2.	Ile - 1	104 (5.5)	12 (0.4)	99 (4.6)	215 (3.1)
3.	Iles - 1	29 (1.5)	4 (0.2)	217 (10.1)	250 (3.7)
4.	IIles - 1	63 (3.3)	23 (0.8)	18 (0.8)	104 (1.5)
5.	VIes - 1	91 (4.8)	160 (5.8)	-	251 (3.7)
6.	VIes - 2	-	12 (0.4)	-	12 (0.2)
7.	P/M	1458 (76.7)	2348 (84.5)	1404 (65.1)	5210 (76.2)
Subtotal		1818 (95.7)	2735 (98.4)	2087 (96.8)	6640 (97.1)
Misc.		82 (4.3)	45 (1.6)	68 (3.2)	195 (2.9)
Grand Total		1900 (100.0)	2780 (100.0)	2155 (100.0)	6835 (100.0)

## **SALIENT FEATURES**

- Nagpura series is found to be most extensive 5,162 ha (75.5%) out of the total area.
- Out of the total surveyed area only 1,418 ha (20.7%) is suitable for agriculture.
- Nearly 5,512 ha (80.6%) have severe erosion problems. Suitable soil conservation practices are required to be adopted to manage both types of eroded lands (e2 and e3)
- Very shallow to shallow soils cover an area of 5,413 ha (79.2%) which are suitable for pasture and forest development.