

**Report on Detailed Soil Survey and Land Use of 4G2D7t2 and 4G2D7v2
Subwatersheds, Mahanadi Catchment , Tehsil- Sonhat,
District: Korla (Vaikunthpur), Chhattisgarh State.**

ABSTRACT

- 1) Survey area : 4G2D7t2 and v2 Subwatersheds,
Tah. : Sonhat, District: Vaikunthpur(Korla)
(C.G.).
- 2) a. Total area reported & mapped : 9491 ha.
- b. Type of survey : Detailed Soil Survey
- c. Period of survey : December, 2001 to March, 2002.
- d. Base map : Aerial photographs and cadastral maps.
- e. Scale of Base maps : i. Aerial Photographs 1:15,000) Approx.
ii. Cadastral Map 1: 8000)
- 3) i. Soil series mapped and area covered by each (ha):

Sl.No.	Soil Series & Symbol	Total area (ha)	Percentage (%)
1.	Ambar (A)	2323	24.5
2.	Badra (B)	292	3.1
3.	Dhanpur (D)	819	8.6
4.	Jamtikra (J)	116	1.2
5.	Kachohar (K)	1161	12.2
6.	Nignohar (N)	1031	10.9
7.	Patrapalli (P)	240	2.5
8.	Paudi (PD)	2961	31.2
9.	Paradol (PR)	373	4.0
Total		9316	98.2
10.	Other features like village situation, river, road, tank	175	1.8
Grand Total		9491	100.0

4) Land Capability classes :

Capability class	Total area (ha)	Percentage (%)	Soil Series
II	896	9.4	Badra,Dhanpur, Patrapalli, Paudi
III	1233	13.0	Badra, Dhanpur, Nignohar, Paudi.
IV	152	1.6	Jamitikra, Kachohar, Nignohar, Paudi
<i>Total</i>	2281	24.0	
Area under forest (R.F.)	7035	74.2	
Misc.	175	1.8	
<i>Grand Total</i>	9491	100.0	

5) Specific Problems. :

S.No.	Erosion Class	Total problematic area		Associated series
		Total area (ha)	Percentage (%)	
1.	Moderate erosion	3011	31.8	Badra, Dhanpur,Paudi, Nignohar
2.	Severe erosion	5091	53.6	Amhar,Jamtikra,Kachohar, Parado, Paudi, Nignohar
Total		8102	85.4	