

Report on Detailed Soil and Land Use Survey, Balzore Nala Watershed, Mahanadi Catchment, Tahsil-Jashpurnagar, Dist-Raigarh (M.P.)

ABSTRACT

- 1) Survey area : - Balzore Nala priority watershed, Ib sub-catchment, Mahanadi Catchment, Tahsil : Jashpurnagar, Dist-Raigarh (M.P.)
- 2) a) Total area :- 16,318 ha reported & mapped
- b) Period of survey : February, 1976 to June 1976

3) Soil series mapped and area covered by each series in ha.

Sr. No.	Soil series	Revenue area		Reserved Forest		Total	
		Ha	%	Ha	%	Ha	%
1.	Basantala	2875		-		2875	17.6
2.	Bhado	16		-		16	0.1
3.	Chitakvine	187		-		187	1.1
4.	Deoboda	33		685		718	4.4
5.	Ganjar	1522		-		1522	9.3
6.	Ghordega	1165		484		1649	10.1
7.	Hatsar	118		13		131	0.8
8.	Jokari	1410		8		1418	8.7
9.	Kawai	148		-		148	0.9
10.	Keradeeh	930		-		930	5.7
11.	Lodhama	258		-		258	1.6
12.	Lota	278		562		840	5.1
13.	Mayali	2693		43		2736	16.8
14.	Patelpali	194		44		238	1.5
15.	Sarangdand	987		-		987	6.0
16.	Sukma	94		-		94	0.6
17.	Toli	596		-		596	3.7
Total :		13,504	82.8%	1839	11.3	15,343	94.1
Other features like road, habitation nalah, rockout crop		893	5.4	82	0.5	975	5.9
Grand Total :		14,397	88.2	1921	11.8	16,318	100.0

4) Land capability classification :

Land capability Sub-class	Area in ha	Soils (Name of the soil series)
II	1897	Basantala, Bhado, Ganjar, Sarangdand
IIe	3094	Basantala, Ganjar, Hatsar, Sarangdand Sukma
IIw	2746	Jokari, Keradeeh, Lodhama, Kawai
IIIe	524	Basantala, Chitakvine, Sarangdand
IVe	122	Sukma, Toli
IVes	2034	Mayali
VIe	776	Basantala, Ganjar, Toli
VIes	1087	Mayali, Patelpali, Deoboda, Ghordega
VIIes	1242	Deoboda, Ghordega, Lota
Total : 13,504		

5) Specific problems :

Sr. No.	Nature of Problem	Under Revenue area in ha	Under Forest in ha
i)	Moderate erosion	4140	13
ii)	Severe erosion	3317	1788
iii)	Very severe erosion	1445	20
iv)	Water logging & seasonal overflow	2488	8
v)	Affected by flood	445	-
vi)	Rock-out crop	539	82
Total :		12,374	1911