

Report on Detailed Soil Survey and land Use of Bharari Nala subwatershed
(Code No. 5/7), Mahanadi Catchment, Tehsils- Dharamjaygarh and Gharghoda,
District- Raigarh (Madhya Pradesh)

A B S T R A C T

1. Survey area : Bharari Nala Subwatershed (Code No. 5/7),
Mahanadi Catchment, Tehsil Dharnjaygarh and
Gharghoda, Dist- Raigarh (M. P.)
2. Type of Survey : Detailed Soil Survey
3. Total area reported and mapped : 7,207 ha
4. Period of Survey : 13.11.79 to 11.2.80
5. Soil series mapped and area (ha) covered :

<u>Series</u>	<u>Area (ha)</u>	<u>Percentage</u>
1. Bandhanpur	2467	35.5
2. Gudubahal	278	4.0
3. Jamchua	1114	16.0
4. Lorage	1623	23.4
5. Matpahar	161	2.3
6. Rupdega	1304	18.8

Total :	6947	100.0

Other features, road,
habitation, river nala
etc. (Miscellaneous Card)

260

Grand Total :

7207

<u>Land capability class</u>	<u>Area (ha)</u>	<u>%</u>	<u>Soil series</u>
II	228	3.3	Gudubahal
IIe	377	5.4	Bandhanpur, Gudubahal, Rupdega
IIw	527	7.6	Lorage
IIIw	1096	15.8	Lorage
III-es	3212	46.3	Bandhanpur, Gudubahal, Rup- dega
IVes	793	11.4	Jamchua
VIe	232	3.3	Bandhanpur, Rupdega
VIes	321	4.6	Jamchua
VII-es	161	2.3	Matpahar

Total :	6947	100	-

7. Specific Problems :

<u>Nature of Problems</u>	<u>Area (ha)</u>	<u>Associated soil series</u>
1. Moderate erosion	2964	Bandhanpur, Gudubahal, Jamchua, Lorage, Rupdega
2. Severe erosion	18 24	Bandhanpur, Jamchua, Matpahar, Rupdega
3. Very severe erosion	232	Bandhanpur, Rupdega
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Total	5020	