

# Report on Detailed Soil Survey and Land Use of Ny1b, Ny1c, Ny1f and Ny1h Subwatersheds, Narmada Catchment, Tehsil and District: - Mandla, Madhya Pradesh

## ABSTRACT

1. Surveyed area : Subwatersheds Ny1b, Ny1c, Ny1f and Ny1h of Narmada Catchment. Tehsil and District: - Mandla, Madhya Pradesh
2. A. Total area mapped : 7,704 ha.  
and reported
- B. Period of survey : April 1999 to June 1999
3. Base map used : Aerial photographs scale 1:50,000  
Cadastral maps scale 1:4,000
4. Toposheets used : 64 B/6 & 64 B/10
5. Agro-climatic zone : Central Plateau & Hill region (VIII)
6. Soil series mapped and area covered under each series under different sub watersheds:

Sl. No.	Name of Soil Series	Total area (ha & %) Reported	Area under subwatersheds (ha)							
			Ny1b		Ny1c		Ny1f		Ny1h	
			Revenue land	Reserved forest	Revenue land	Reserved forest	Revenue land	Reserved forest	Revenue land	Reserved forest
1	Barela	1101 (14.30)	141 (1.8)	87 (1.1)	195 (2.6)	96 (1.2)	14 (0.2)	122 (1.6)	55 (0.7)	391 (5.1)
2	Burkhatola	185 (2.4)	167 (2.2)	-	18 (0.2)	-	-	-	-	-
3	Dadratola	1482 (19.2)	288 (3.7)	58 (0.7)	398 (5.1)	52 (0.7)	123 (1.6)	97 (1.3)	215 (2.8)	251 (3.3)
4	Jamukoh	865 (11.2)	113 (1.5)	43 (0.6)	164 (2.1)	117 (1.5)	76 (1.0)	140 (1.8)	147 (1.9)	65 (0.8)
5	Khairi	1878 (24.4)	337 (4.4)	-	849 (11.1)	8 (0.1)	269 (3.4)	-	415 (5.4)	-
6	Khudiyan	1304 (16.9)	46 (0.65)	-	416 (5.4)	8 (0.1)	59 (0.8)	468 (6.05)	210 (2.7)	97 (1.2)
7	Pipariya	213 (2.8)	81 (1.05)	-	70 (0.9)	8 (0.1)	30 (0.4)	4 (0.05)	20 (0.3)	-
>	<b>Sub total</b>	<b>-</b>	<b>1173</b>	<b>188</b>	<b>2110</b>	<b>289</b>	<b>571</b>	<b>831</b>	<b>1062</b>	<b>804</b>

			(15.3)	(2.4)	(27.4)	(3.7)	(7.4)	(10.8)	(13.8)	(10.4)
➤	<b>Grand total</b>	<b>7028</b> <b>(91.2)</b>	<b>1361</b> <b>(17.7)</b>		<b>2399</b> <b>(31.1)</b>		<b>1402</b> <b>(18.2)</b>		<b>1866</b> <b>(24.2)</b>	
➤	<b>Other misc. feature i.e. Habitation, Nala, road, river etc.</b>	<b>676</b> <b>(8.8)</b>	<b>212</b> <b>(2.8)</b>		<b>233</b> <b>(3.0)</b>		<b>158</b> <b>(2.1)</b>		<b>73</b> <b>(0.9)</b>	
➤	<b>Grand Total</b>	<b>7704</b> <b>(100)</b>	<b>1573</b> <b>(20.4)</b>		<b>2632</b> <b>(34.2)</b>		<b>1560</b> <b>(20.2)</b>		<b>1939</b> <b>(25.2)</b>	

### 7. Land Capability Classification: -

Sl. No.	Land capability class	Subwatershed area (ha)				Total area (ha)	Soil series with symbol
		Ny1b	Ny1c	Ny1f	Ny1h		
1	IIs	125 (1.6)	296 (3.9)	86 (1.1)	108 (1.4)	615 (8.0)	1. Burkhatola(BI) 2. Khairi (KR)
2	Ile	-	35 (0.45)	20 (0.3)	47 (0.6)	102 (1.35)	1. Khudiyani(KN)
3	Iles	260 (3.4)	344 (4.4)	111 (1.45)	175 (2.3)	890 (11.55)	1. Burkhatola(BI) 2. Khairi (KR)
4	IIIs	9 (0.1)	5 (0.05)	3 (0.05)	-	17 (0.2)	1. Pipariya (PI)
5	IIles	197 (2.6)	337 (4.4)	126 (1.6)	184 (2.4)	844 (11.0)	1. Jamukoh (J) 2. Pipariya (PI) 3. Khairi (KR)
6	IVe	39 (0.5)	86 (1.1)	10 (0.1)	70 (0.9)	205 (2.6)	1. Khudiyani(KN)
7	IVes	353 (4.6)	494 (6.5)	172 (2.2)	330 (4.2)	1349 (17.5)	1. Burkhatola(BI) 2. Dadratola(DR) 3. Jamukoh (J) 4. Khairi (KR)
8	VIe	17 (0.1)	295 (3.8)	29 (0.4)	93 (1.2)	424 (5.5)	1. Khudiyani(KN)
9	VIes	183 (2.3)	218 (2.8)	14 (0.2)	55 (0.8)	470 (6.1)	1. Barela (BR) 2. Dadratola(DR) 3. hudiyan(KN)
➤	<b>Sub total</b>	<b>1173</b> <b>(15.2)</b>	<b>2110</b> <b>(27.4)</b>	<b>571</b> <b>(7.4)</b>	<b>1062</b> <b>(13.8)</b>	<b>4916</b> <b>(63.8)</b>	
➤	<b>Res. Forest area (ha)</b>	<b>188</b> <b>(2.4)</b>	<b>289</b> <b>(3.8)</b>	<b>831</b> <b>(10.8)</b>	<b>804</b> <b>(10.4)</b>	<b>2112</b> <b>(27.4)</b>	

