

Report on Detailed Soil Survey and Land Use of Sm3m, Sp3a, Sp3b and Sq3n Subwatersheds of Subarnarekha (Non RVP/FPR) Catchment, District – Ranchi, Jharkhand State.

Abstract

- 1. Survey Area** : Priority sub watersheds Sm3m, Sp3a, Sp3b and Sq3n of Subarnarekha (Non RVP/FPR) Catchment, P.S. Karra, Namkum, Ratu and Silli, District- Ranchi, Jharkhand.
- 2. Type of Survey** : Detailed Soil Survey.
- 3. Total Surveyed Area** : 10061 ha.
- 4. Agro climatic Region** : Region-VII(Eastern Plateau and hills region).
- 5. Soil Conservation Regions** : Region-8 Eastern Red Soils Region.
- 6. Period of Survey** : *December 2001 to June 2002.*
- 7. Base map used** : Cadastral map (16" = 1 mile scale)
- 8. Total area mapped** : 10061 hectares.

9. Soil Series mapped and their distribution:

Sl. No	Soil Series	No. of mapping Units	Sub watersheds Area(%)				Total Area (%)
			Sm3m	Sp3a	Sp3b	Sq3n	
1.	Amra(AR)	4	-	208 (2.1)	1093 (10.8)	42 (0.4)	1343 (13.3)
2.	Balia(B)	3	-	33 (0.3)	4 (0.1)	-	37 (0.4)
3.	Baralota(BL)	2	-	10 (0.1)	116 (1.1)	-	126 (1.2)
4.	Bathantoli(BT)	4	50 (0.5)	95 (0.9)	117 (1.2)	163 (1.6)	425 (4.2)
5.	Dumka(D)	3	183 (1.8)	54 (0.6)	92 (0.9)	76 (0.7)	405 (4.0)
6.	Hathiapathar(H)	3	113 (1.1)	437 (4.3)	199 (2.0)	653 (6.5)	1402 (13.9)
7.	Lachmipur(L)	4	74 (0.8)	-	55 (0.5)	161 (1.6)	290 (2.9)
8.	Latu(LT)	5	113 (1.1)	-	-	288 (2.9)	401 (4.0)
9.	Majhauri(MJ)	3	-	119 (1.2)	-	-	119 (1.2)
10.	Maran(MR)	5	1 (0.0)	342 (3.4)	320 (3.2)	892 (8.9)	1555 (15.5)
11.	Pashibali(PB)	5	98 (1.0)	-	-	270 (2.7)	368 (3.7)
12.	Pravasuni(PV)	3	130 (1.3)	-	-	230 (2.3)	360 (3.6)
13.	Rengalbeda(RG)	4	344 (3.4)	-	-	313 (3.1)	657 (6.5)
14.	Sarua(S)	2	63 (0.6)	112 (1.1)	94 (1.0)	234 (2.3)	503 (5.0)
15.	Sidumtoli(ST)	5	63 (0.6)	-	-	510 (5.1)	573 (5.7)
16.	Tirkatoli(TT)	2	107 (1.1)	-	-	162 (1.6)	269 (2.7)
Total		57	1339 (13.3)	1410 (14.0)	2090 (20.8)	3994 (39.7)	8833 (87.8)
17.	Miscellaneous		74 (0.7)	99 (1.0)	75 (0.7)	980 (9.8)	1228 (12.2)
Grand Total			1413 (14.0)	1509 (15.0)	2165 (21.5)	4974 (49.5)	10061 (100)

*Figures in parenthesis indicate percentage.

