

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF
PRIORITY SUBWATERSHEDS Re4q, Re4s, Re5m, Rd3h,
Rd4g, Rd5a AND Rd9a OF RUPNARAYAN R.V.P., P.S.
GARHBETA, GOALTORE, SALBANI AND SATBANKURA OF
DIST. MIDNAPUR AND P.S. BISHNUPUR AND JOYPUR OF
DIST. BANKURA, WEST BENGAL

A B S T R A C T

1. Survey area: Repnarayan R.V.P. Catchment Subwatersheds
 Re4q, Re4s, Re5m, Rd3h, Rd4g, Rd5a, Rd9a
 P.S. Garhbeta, Goaltore, Salbani, Satbankura
 and Bishnupur, Joypur, Dist. Midnapur and
 Bankura, West Bengal.
2. Total area: 13,046 ha.
3. Period of survey: December '84 to April '85.
4. Type of survey: Detailed Soil Survey.

5. Soil series mapped and area covered under each series subwatershed-wise (area in ha.) and %

Sl No.	Soil series	Rc4q %	Rc4s %	Rc4m %	Rd3h %	Rd4g %	Rd5a %	Rd9a %	Total %	No. of mapping units.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Argora	35	2.8	-	-	26	1.5	411	17.3	68	3.3	97	4.0	59	4.7	696	5.4	5
2.	Chakai	72	5.7	87	4.0	-	-	-	-	-	-	-	-	113	0.9	272	2.1	4
3.	Ghoradanga	-	-	-	-	22	1.2	45	1.9	-	-	51	2.1	12	1.0	130	1.0	2
4.	Jamasol	74	5.8	205	10.8	191	10.9	199	4.8	130	5.0	104	7.6	26	2.0	182	7.5	3
5.	Kochdih	-	-	-	-	-	-	43	1.8	-	-	-	-	-	-	43	0.3	2
6.	Madnahari	170	13.4	190	10.0	330	19.0	288	12.0	222	10.7	404	16.8	289	22.8	1893	14.5	3
7.	Mrigendihi	158	12.4	122	6.4	613	35.1	847	35.6	1182	57.3	1005	45.0	529	41.6	4536	34.8	4
8.	Radhadamo-darpur	648	51.0	1193	62.6	410	28.5	319	13.4	367	17.8	122	5.0	133	10.4	3192	24.4	5
9.	Misc.	113	8.9	107	5.6	154	8.8	229	9.6	121	5.9	469	19.5	109	0.6	1302	10.0	-
Total:		1270	9.7	1904	14.6	1746	13.4	2381	18.2	2063	15.8	2412	18.5	1270	9.7	13046	100	28

6. LAND CAPABILITY CLASS (AREA IN HA.)

Sl No.	Land capability class	Subwatersheds							Total area of report	%
		Rc4q	Rc4s	Rc5m	Rd3h	Rd4g	Rd5a	Rd9a		
1	2	3	4	5	6	7	8	9	10	11
1.	II	474 (37.3)	604 (31.7)	1156 (66.2)	1422 (59.7)	1507 (73.0)	1690 (70.4)	959 (73.5)	7820	59.94
2.	III	588 (46.1)	1193 (62.7)	381 (21.2)	284 (11.9)	354 (17.2)	122 (5.1)	127 (10.0)	3049	23.36
3.	IV	35 (2.8)	-	-	29 (1.2)	11 (0.5)	72 (3.0)	10 (0.7)	157	1.20
4.	VI	60 (4.7)	-	55 (3.2)	417 (17.5)	70 (3.4)	51 (2.1)	65 (5.1)	718	5.50
5.	Miscellaneous lands	113 (8.9)	107 (5.6)	154 (8.8)	229 (9.6)	121 (5.9)	469 (19.5)	109 (8.6)	1302	10.0
Total:		1270 (9.7)	1904 (14.6)	1746 (13.4)	2381 (18.3)	2063 (15.8)	2412 (18.5)	1270 (9.7)	13,046	100

7. SPECIFIC PROBLEMS:

Sl No.	Problems	Sub-watersheds						Total area of report	%	
		Rc4q	Rc4e	Rc5m	Rd3h	Rd4g	Rd5a			Rd9a
1	2	3	4	5	6	7	8	9	10	11
1.	Moderate erosion	543 (42.7)	1279 (67.1)	943 (54.0)	941 (39.5)	1304 (63.2)	1126 (46.7)	523 (41.2)	6659	51.0
2.	Severe erosion	-	-	33 (1.9)	411 (17.3)	61 (2.9)	26 (1.0)	66 (5.2)	597	4.5
3.	Very severe erosion.	60 (4.7)	-	22 (1.2)	6 (0.2)	9 (0.4)	51 (2.1)	9 (0.7)	157	1.2