

REPORT ON DETAILED SOIL SURVEY AND LAND
USE OF Rd6a, Rd6b, Rd6c, Rd6d, Rd7d, Rd4m
AND Rd4n PRIORITY SUBWATERSHEDS OF RUPNARAYAN
F.P.R. CATCHMENT OF P.S. GARHETA, BISHNUPUR, ONDA
AND TALDANGRA, DISTT. MIDNAPUR AND BANKURA,
WEST BENGAL

ABSTRACT

1. Survey area: Subwatersheds No. Rd6a, Rd6b, Rd6c, Rd6d, Rd7d, Rd4m and Rd4n of Rupnarayan F.P.R. Catchment, Distt. Midnapur and Bankura, West Bengal.
2. Total area reported and mapped: 15,315 ha.
 - a) Type of Survey: Detailed Soil Survey.
 - b) Period of Survey: April' 87 to June' 87.
3. Subwatershed-wise soil series area (in ha.) mapped under different soil series (% in bracket).

Sl No.	Soil series	Sub-watersheds							Total area	% area	No. of mapping units
		Rd6a	Rd6b	Rd6c	Rd6d	Rd7d	Rd4m	Rd4n			
1	2	3	4	5	6	7	8	9	10	11	12
1.	Argora (AG)	-	-	125 (5.6)	74 (5.7)	272 (9.8)	83 (6.6)	354 (12.0)	908	5.9	6
2.	Bistupur (BS)	429 (13.8)	23 (1.3)	378 (17.0)	394 (30.3)	991 (35.8)	305 (24.3)	148 (5.0)	2668	17.4	6
3.	Ghoradanga (G)	24 (0.8)	31 (1.8)	-	-	-	-	-	55	0.4	1
4.	Gopalpur (GP)	-	-	-	-	84 (3.0)	-	193 (6.5)	277	1.8	4
5.	Illambazar (IB)	978 (31.5)	736 (42.9)	637 (28.7)	372 (28.6)	654 (23.6)	247 (19.7)	1287 (42.6)	4881	31.9	8
6.	Jamasol (JS)	395 (12.7)	178 (10.4)	490 (22.1)	185 (14.2)	388 (14.0)	268 (21.4)	477 (16.2)	2381	15.6	5
7.	Kochdih (KD)	751 (24.1)	302 (17.6)	163 (7.3)	163 (12.5)	193 (7.0)	139 (11.1)	47 (1.6)	1758	11.5	10
8.	Modnahari (M)	280 (9.0)	187 (10.9)	-	-	19 (1.0)	91 (7.2)	42 (1.4)	619	4.0	3
9.	Mrigendahi (MD)	-	69 (4.0)	313 (14.1)	-	-	40 (3.2)	255 (8.6)	677	4.4	6
10.	Misc.	254 (0.2)	188 (11.0)	116 (5.2)	113 (8.7)	160 (5.8)	81 (6.5)	179 (6.1)	1091	7.1	
Total:		3111	1714	2222	1301	2761	1254	2952	15,315		

4. LAND CAPABILITY CLASS AREA IN HA. (PERCENT IN BRACKET)

Sl No.	Land capability class	Sub-watersheds						Total	%
		Rd6a	Rd6b	Rd6c	Rd6d	Rd7d	Rd4m		
1.	II	2368 (76.1)	1300 (75.8)	1600 (72.0)	1051 (80.8)	2068 (74.9)	884 (70.5)	2247 (76.1)	11,518 (75.2)
2.	III	24 (0.7)	31 (1.8)	-	-	-	-	-	55 (0.4)
3.	IV	270 (8.7)	-	283 (12.7)	118 (9.1)	328 (11.9)	110 (8.8)	184 (6.2)	1,293 (8.4)
4.	VI	195 (6.3)	195 (11.4)	223 (10.1)	19 (1.4)	205 (7.4)	179 (14.2)	342 (11.5)	1,358 (8.9)
5.	Misc	254 (8.2)	188 (11.0)	116 (5.2)	113 (8.7)	160 (5.8)	81 (6.5)	179 (6.1)	1,091 (7.1)
Total:		3111	1714	2222	1301	2761	1254	2952	15,315 100%

5. SPECIFIC PROBLEMSArea under very severe & severe erosion phases.

Sl No.	Problems	Rd6a	Rd6b	Rd6c	Rd6d	Rd7d	Rd4m	Rd4n	Total	%
1.	Severe erosion	270 (8.6)	-	188 (8.4)	131 (10.1)	233 (8.4)	27 (2.1)	204 (6.9)	1053	(7.0)
2.	Very severe erosion	195 (6.3)	195 (11.4)	274 (12.3)	6 (0.5)	205 (7.4)	179 (14.2)	285 (9.6)	1339	(8.7)