

Report on detailed soil survey and land use of
Rc4n, Rd2p, Rd4j, Rn1c and Rn6c Subwatersheds
of Rupnarayan F.P.R. catchment of Midnapur and
Bankura districts, West Bengal.

ABSTRACT

1. Survey area: Rc4n, Rd2p, Rd4j, Rn1c and Rn6c sub watersheds of Rupnarayan F.P.R. catchment under Garbeta, Chhatna, Goaltore, Chandrakona, Keshpur, Bistupur, Bankura Police Stations of Midnapur and Bankura districts, West Bengal.
2. Agroclimatic Zone: III
and geographical extent: Lower Gangetic plains, lying in between 22° - $40'$ to 23° - $25.5'$ N latitudes and 86° - $50.5'$ to 87° . 32.5 E longitudes
3. Type of survey: Detailed soil survey.
4. Total area: 11,882 ha.
5. Period of survey: Dec.'90 to May,91 and Dec'91 to January'92

6. Soil series mapped (subwatershedwise area distribution)

Sl.No.	Soil series name and symbol	No. of mapping unit	Total area(ha.)	%	Area within subwatershed(in ha. and %)				
					Rc4n	Rd2p	Rd4j	Rn1c	Rn6c
1.	Argora	8	2990	25.2	87(4.3)	1174(41.1)	472(22.9)	742(42.4)	515(16.1)
2.	Bistupur	3	523	4.4	106(5.2)	-	56(2.7)	57(3.3)	304(9.5)
3.	Chakai	4	339	2.8	57(2.8)	-	8(0.4)	17(1.0)	257(8.1)
4.	Illambazar	4	1513	12.7	605(30.0)	372(13.0)	536(26.0)	-	-
5.	Karaya	3	1676	14.1	254(12.6)	254(8.9)	247(12.0)	309(17.7)	612(19.2)
6.	Madnahari	4	981	8.3	210(10.4)	710(24.9)	61(2.9)	-	-
7.	Mehagram	3	647	5.4	318(15.8)	-	329(15.9)	-	-
8.	Rachadamodar-pur	4	2027	17.1	191(9.4)	72(2.5)	161(7.8)	435(24.8)	1168(36.6)
Total:		33	10,696	90.0	1828(90.5)	2582(90.4)	1870(90.6)	1560(89.2)	2856(89.5)
Misc.		-	1,186	10.0	192(9.5)	275(9.6)	193(9.4)	190(10.8)	336(10.5)
Grand total:		-	11,882	100	2020(100)	2857(100)	2063(100)	1750(100)	3192(100)

7. Land capability classes (Area in ha.)

Sl.No.	Land capability class	Sub-watershedswise area in ha (%)					Total area	%
		Rc4n	Rd2p	Rd4j	Rn1c	Rn6c		
1	2	3	4	5	6	7	8	9
1.	II	1550 (76.7)	1336 (46.8)	1237 (60.0)	375 (21.4)	1080 (33.8)	5578	47.0
2.	III	96 (4.8)	72 (2.5)	105 (5.1)	435 (24.9)	1029 (32.2)	1737	14.6
3.	IV	182 (9.0)	163 (5.7)	291 (14.1)	523 (29.9)	186 (5.8)	1345	11.3
4.	VI	-	1011 (35.4)	237 (11.5)	227 (13.0)	561 (17.2)	2636	17.1
5.	Miscellaneous Lands	192 (9.5)	275 (9.6)	193 (9.3)	190 (10.8)	336 (10.5)	1186	10.0
	Total:	2020 (23.3)	2857 (32.9)	2063 (23.7)	1750 (20.1)	3192 (26.9)	11,882	100

