

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF
SUB-WATERSHEDS NO. Rc2r, Rc2s, Rc4f, Rc5t, Rc5w
Rg2g, Rk6d, Rn7d and Rn7j OF RUPNARAYAN F.P.R.
CATCHMENT, P.S. BINPUR, GARHBETA, GOALTORE,
SALBANI OF DISTRICT MIDNAPUR, P.S. ONDA,
SONAMUKHI, TALDANGRA OF DISTRICT BANKURA AND
P.S. HURA, KASHIPUR AND PARA OF DISTRICT PURULIA
WEST BENGAL

A B S T R A C T

1. Survey area: Rc2r, Rc2s, Rc4f, Rc5t, Rc5w, Rg2g, Rk6d, Rn7d and Rn7j sub-watersheds of Rupnarayan F.P.R catchment under Binpur, Garhbeta, Goaltore, Salbani, P.S. of Midnapur district and Onda, Sonamukhi, Taldangra P.S of Bankura district and Hura, Kashipur and Para P.S of Purulia district in West Bengal.
2. Agroclimatic zone: VII Eastern plateau and hills & III lower Gangetic plains.
3. Type of survey: Detailed soil survey.
4. Total area mapped: 30,831 ha.
5. Period of survey: January to June 1950.

6. Serieswise area in ha. and their percentage.

Sl No.	Soil series	Total area in ha.	%	No. of mapping units
1	2	3	4	5
1.	Amra	79	0.3	2
2.	Argora	1813	5.9	10
3.	Bistupur	3074	10.0	9
4.	Ghoradanga	305	1.0	3
5.	Gopalpur	296	0.9	5
6.	Gurur	258	0.8	2
7.	Hensla	1059	3.4	3
8.	Illambazar	5221	16.9	9
9.	Jamuasol	4296	13.9	5
10.	Kadampur	80	0.3	2
11.	Kakrisol	119	0.4	2
12.	Kanchanpur	2644	8.6	4
13.	Kochdih	2046	6.6	7
14.	Mehagram	720	2.3	8
15.	Mrigendahi	1867	6.1	11
16.	Palpal	922	3.0	3
17.	Peddya	673	2.2	2
18.	Radhadamodarpur	1103	3.6	8
19.	Raidih	2182	7.1	6
20.	Sirkabad	95	0.3	4
21.	Misc.	1981	6.4	-
Total:		30,831	100	105

7. Area under different land capability class.

Sl.No.	Land capability class	Total area in ha.	Percentage
1.	II	18,475	60.0
2.	III	2,893	9.3
3.	IV	3,092	10.0
4.	VI	4,311	14.0
5.	VII	79	0.3
Totals:		28,850	93.6
Miscellaneous land		1,981	6.4
Grand total:		30,831	100.0

8. Specific features (area in ha.).

Sl.No.	Problems	Area in ha.	Percentage
1.	Severe erosion	3910	12.7
2.	Very severe erosion	1691	5.5
3.	Drainage problems	9580	31.1
4.	Limited rooting zone	5177	16.8
5.	Unfavourable texture	1025	3.3
6.	Graveliness	3165	10.3
7.	Normal land	4302	13.9
8.	Miscellaneous land	1981	6.4
Total:		30,831	100.0