

REPORT ON DETAILED SOIL SURVEY AND LAND USE
OF KK1-2 AND KKJ-2 SUBWATERSHEDS OF KANGSABATI
CATCHMENT, P.S. MANBAZAR, DISTRICT PURULIA,
WEST BENGAL

ABSTRACT

1. Survey area: Sub-watershed Nos. KK1-2 and KKJ-2 of Kangsabati R.V.P. catchment, P.S. Manbazar, district Purulia, West Bengal.
2. a) Total area surveyed and reported: 11315 ha.
b) Period of survey: November, 1985 to May, 1986.
c) Type of survey: Detailed soil survey.
3. Soil series mapped:

Sl. No.	Name of series and symbol	Area in ha.			% of the total
		KK1-2	KKJ-2	Total	
1.	Amra (AR)	306	379	685	6.1
2.	Chakra (C)	1138	614	1752	15.5
3.	Hensla (H)	375	187	562	5.0
4.	Kanchanpur (KC)	295	50	345	3.0
5.	Palpal (P)	1489	527	2016	17.8
6.	Peddy (PY)	221	122	343	3.0
7.	Rajdih (R)	2353	1568	3921	34.6
8.	Sirkabad (SB)	69	18	87	0.8
Total:		6246	3465	9711	85.8
Misc. lands		819	705	1604	14.2
Grand total:		7065	4250	11315	100.0

4. Land capability classification: Sub-watershed wise area (ha.)
under different land capability
classes.

Sl. No.	Land capability class	Area in ha.	%	Area under sub-watersheds	
				KK1-2	KKJ-2
1.	II	2440	21.6	1654	706
2.	III	2345	20.7	1721	624
3.	VI	4241	37.5	2565	1676
4.	VII	685	6.0	306	379
Total:		9711	85.8	6246	3465
Misc. land		1604	14.2	819	785
Grand total:		11315	100.0	7065	4250

5. Salient observations:

- a) Severe and very severe forms of erosion covers 43.6% of the area in these 2 sub-watersheds.
- b) Seasonal water logging takes a toll of 15.5% of the area of these 2 sub-watersheds.