

REPORT ON DETAILED SOIL SURVEY AND LAND  
USE OF PRIORITY SUBWATERSHEDS Pa1d, Pa2a,  
Pa2b, Pa2d & Pa3a ( 230 SUB-CATCHMENT OF  
D.V.C) PANCHET DAM CATCHMENT, DIST. PURULIA  
WEST BENGAL

A B S T R A C T

1. Survey area: Panchet Dam Catchment  
Sub-watersheds Pa1d, Pa2a,  
Pa2b, Pa2d & Pa3a (230 Sub-  
catchment D.V.C).
2. (a) Total area reported: 14,182 ha.
- (b) Period of survey: December 1990 to June 1991.
- (c) Type of survey: Detail soil survey
3. Subwatershed-wise soil series mapped and area covered by each  
in ha.

Sl No.	Soil series	Area in ha.	%	Pa1d	Pa2a	Pa2b	Pa2d	Pa3a	Total soil mapping unit
1	2	3	4	5	6	7	8	9	10
1.	Amra	181	1.3	153	28	-	-	-	1
2.	Chakra	2869	20.2	775	581	532	499	482	3
3.	Hensla	980	6.9	133	351	75	160	261	4
4.	Hirodih	1401	9.9	224	329	256	272	320	2
5.	Jamkati	343	2.4	16	158	69	-	100	4
6.	Kanti	142	1.0	-	108	-	-	34	2
7.	Kinamar	3473	24.5	731	965	704	757	316	7
8.	Palpal	863	6.1	359	109	130	131	134	3
9.	Peddya	1419	10.0	415	389	194	83	338	4
10.	Pipradih	832	5.9	62	103	133	287	247	4
11.	Udipur	838	5.9	475	116	129	18	100	3
12.	Misc. land type	841	5.9	242	244	82	148	125	-
Total:		14,182	100%	3585	3481	2304	2355	2457	37

4. Subwatershed-wise area in ha. under different land capability class

Sl No.	Land capability class	Subwatersheds in ha. & %					Total area in ha.	%	Series name
		Fa1d	Fa2a	Fa2b	Fa2d	Fa3a			
1	2	3	4	5	6	7	8	9	10
1.	II	1967 (55.0)	1676 (48.1)	1298 (56.3)	1116 (47.3)	1573 (64.0)	7630	53.8	Chakra, Hirodih, Peddya, Jamkati, Pipradih & Udaipur
2.	III	492 (13.6)	481 (13.8)	176 (7.6)	273 (11.5)	365 (14.8)	1787	12.6	Hensla, Kanti & Palpal
3.	IV	573 (16.0)	896 (25.7)	683 (29.6)	707 (30.0)	390 (15.8)	3249	22.9	Hensla, Kanti, Kinamar & Pipradih
4.	VI	158 (4.4)	156 (4.5)	65 (2.8)	111 (4.7)	4 (0.1)	494	3.5	Kinamar
5.	VII	153 (4.2)	28 (0.9)	-	-	-	181	1.3	Amra
6.	Misc. land	242 (6.8)	244 (7.0)	82 (3.6)	148 (6.3)	125 (5.1)	841	5.9	
Total:		3585 (25.2)	3481 (24.6)	2304 (16.2)	2355 (16.7)	2457 (17.3)	14182	100	

