

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF
Aa2j, Aa2m, Aa2n, Aa4d and Aa4h SUBWATERSHEDS
OF AJOY FLOOD PRONE CATCHMENT, P.S.- AUSGRAM,
FARIDPUR AND ONDAL, DISTRICT-BURDWAN (W.B.).

ABSTRACT

1. Surveyed area : Aa2j, Aa2m, Aa2n, Aa4d and Aa4h sub-watersheds of Ajoy flood Prone Catchment, P.S.- Ausgram, Faridpur and Ondal, District-Burdwan (W.B.).
2. Geographical extent & Agroclimatic Zone :

Sl. No.	Subwatershed name	Extent in between longitude & latitude	Agroclimatic zone
1.	Aa2j, Aa2m, Aa2n	87 32'40" to 87 43'E & 23 26'30" to 23 34'30"N	Lower Gangetic plain (zone No.3)
2.	Aa4d, & Aa4h	87 10'20" to 87 22'40"E & 23 39'40" to 23 43'N	

3. Total area reported and mapped : 16425 ha.
4. Period of survey : Nov'87 to June'88
5. Type of survey : Detailed
6. Soil series mapped and area covered :

Sl.No.	Name of soil series	Area in ha.	percentage
1.	Ausgram	865	5.2
2.	Dubrajpur	2719	16.6
3.	Kadampur	2350	14.3
4.	Kanchanpur	613	3.7
5.	Karaya	365	2.2
6.	Nalhati	901	5.5
7.	Pusaro	1572	9.6
8.	Peddy	693	4.2
9.	Samaipur	1492	9.1
10.	Sarua	1271	8.7
11.	Sirkabad	347	2.1
12.	Sirsa	221	1.3
13.	Tyasi	854	5.2
14.	Misc.	1261	13.2
Total		= 16425	100.0

8. SPECIFIC PROBLEMS OF EACH SUBWATERSHED OF
THE AREA IN HA. AND PERCENTAGE

Sl. Problems No.	Soil series	Sub-watershed Nos.					Total (%)
		Aa2j	Aa2m	Aa2n	Aa4d	Aa4h	
1. Seasonal water logging	Karaya	1154	1095	500	176	203	3128
	Sarua						
	Samaipur	(36.9)	(35.0)	(16.0)	(5.6)	(6.5)	(19.0)
2. Moderate erosion	Kadampur	767	1019	652	344	600	3382
	Pusaro						
	Nalhati						
	Sirkabad	(22.7)	(30.1)	(19.3)	(10.2)	(17.7)	(20.6)
3. Severe erosion	Teyasi						
	Kadampur	462	339	125	176	193	1295
	Nalhati						
4. Very severe erosion	Pusaro	(35.7)	(26.2)	(9.6)	(13.6)	(14.9)	(7.9)
	Kadampur	260	155	224	-	8	647
	Pusaro	(40.2)	(24.0)	(34.6)		(1.2)	(3.9)
5. Shallowness	Nalhati	-	-	-	317	584	901
					(35.2)	(64.8)	(5.5)
6. Unfavourable soil texture	Teyasi	16	-	-	498	340	854
		(1.9)			(58.3)	(39.8)	(5.2)