

(i)

Report on Detailed Soil Survey and Land Use of Hg2g and Hg2h
Sub-watersheds, Mahanadi Catchment, Tahsil Kasdol, Distt. Raipur
Madhya Pradesh

A B S T R A C T

- 1 Survey area -- Hg2g and Hg2h sub-watersheds, Mahanadi Catchment
2(a) Total area -- 9,808 ha
(b) Type of Survey -- Detailed Soil Survey
(c) Period of Survey -- December 1986 to March, 87
3. Soil Series mapped and their extent in hectare.

S.N.	Name of Soil Series	Total area(ha) %	SUB-WATERSHEDS	
			Hg2g	Hg2h
1	Arjuni	824 (9.5)	65 (1.6)	759 (17.1)
2.	Bhotahi	765 (8.8)	90 (2.1)	675 (15.2)
3.	Dandakhar	2102 (24.3)	1494 (35.5)	608 (13.7)
4.	Guragash	575 (6.7)	529 (12.6)	46 (1.0)
5.	Narayanpur	433 (5.0)	300 (7.1)	133 (3.0)
6.	Putpura	1082 (12.5)	182 (4.3)	900 (20.2)
7.	Sukh ² ia Turturiya	1013 (11.7)	473 (11.2)	540 (12.1)
8.		1865 (21.5)	1078 (25.6)	787 (17.7)
Total and Percentage		8659 (100)	4211 (100)	4448 (100)
Miscellaneous land (Road, Nalla, habitation etc)		1149	490	659
Grand total		9805	4701	5107

(iii)

6. Salient features

- About 58.3% area is under shallow and very shallow soils. These soils are suitable for pasture development, afforestation or other nonagricultural activities.
- About 32.9 % area is under very deep soils and is suitable for multicrop utilisation with improved agricultural practices.
- The mostly (45.4 %) of the surveyed area occurs on gentle slope (3-5%) and requires soil and water conservation.
- Nearly 26.3% area suffers from severe erosion hazards. The appropriate soil and water conservation measures need be taken on priority.