

(1)

REPORT ON PRIORITISATION OF SUBWATERSHEDS IN Hr & Hs
SUBCATCHMENTS OF HIRAKUD R.V.P. CATCHMENTS (MAHANADI)
DISTRICT BILASPUR, DURG AND RAIPUR, MADHYAPRADESH

A B S T R A C T

1. Survey area - Hr and Hs subcatchments, Hirakud R.V.P. catchment (Mahanadi river) M.P.
2. Location - $20^{\circ} 33'$ to $21^{\circ} 34'$ N Latitude and $80^{\circ} 02'$ to $82^{\circ} 27'$ E longitude
3. Total area - 8,40,008 ha
- 4.a Type of survey - Rapid reconnaissance survey
b Period of survey - May 1984 to June 1986
5. Base material - Survey of India Topographical maps (1:63,360)
6. Mapping units and area under each.

Mapping Unit	Area in ha	Percentage	Mapping Unit	Area in ha	Percentage
F	9,036	1.1	R	63,936	7.6
G	936	0.1	S	68,364	8.1
J	9,252	1.1	S1	43,920	5.2
K	13,284	1.6	T	57,844	6.9
L	6,120	0.7	U	7,416	0.9
M	83,376	9.9	U1	2,556	0.3
N	59,976	7.2	V	2,916	0.4
N1	9,216	1.1	V1	6,444	0.8
N2	30,600	3.6	Y	684	0.1
P	364,132	43.3			
				8,40,008	100.0

(ii)

7. Hydrological division :

a. Catchment - H- Hirakud R.V.P. catchment (Mahanadi)

b. Subcatchment - 2; Hr and Hs

c. Watersheds - 15 (Hr 1 to 9 and Hs 1 to 6)

d. Subwatersheds - 206 (Hr - 120 and Hs - 86)

8. Priority categorization of subwatersheds

Sr. No.	Priority category	Sediment Yield Index range	No. of subwatersheds	Area (ha)	Percentage of total area
1.	Very high	1300 and above	2	6,300	0.7
2.	High	1200 - 1299	2	8,172	1.0
3.	Medium	1100 - 1199	9	27,396	3.3
4.	Low	1000 - 1099	23	96,508	11.5
5.	Very low	Below 1000	170	7,01,632	83.5
			206	8,40,008	100.0

9. Map sheets of 1:63,360 scale - 6 Nos.