

(1)

REPORT ON DEMARCATION OF PRIORITY SUB-WATERSHEDS  
IN KANHAR DAM CATCHMENT IN SONE RIVER VALLEY PROJECT,  
IDST. MIRZAPUR OF U.P. STATE, DIST. PALAMAU OF BIHAR  
STATE AND DIST. SURGUJA AND RAIGARH OF M.P. STATE.

ABSTRACT

1. Survey area : Kanhar Dam Catchment  
2. Total area : Uttar Pradesh - 1,37,322 ha.  
Madhya Pradesh -3,34,294 ha.  
Bihar - 83,382 ha.  
Total:- 5,54,998 ha.  
3.(a) Kind of Survey : Rapid reconnaissance  
(b) Period of Survey : May'78 to July'80

4. Extent of areas under different erosion intensity units.

Mapping unit.	Uttar Pradesh		Madhya Pradesh		Bihar		Total of Kanhar	
	Area in ha.	%	Area in ha.	%	Area in ha.	%	Area in ha.	%
A	45,033	32.9	45,979	13.8	12,005	14.4	1,03,017	18.6
B	14,669	10.6	60,699	18.0	14,182	17.0	89,550	16.1
C	10,264	7.4	17,126	5.0	5,992	7.2	33,382	6.0
D	16,232	11.8	41,211	12.2	8,704	10.4	66,147	11.9
E	102	0.1	-	-	-	-	102	0.1
F	4,659	3.4	22,008	6.4	9,497	11.4	36,164	6.5
G	2,406	1.7	947	0.2	281	0.3	3,634	0.7
H	39,271	28.7	1,20,005	35.7	16,334	19.7	1,75,610	31.6
J	3,431	2.5	16,639	4.8	9,831	11.7	29,901	5.4
RL	1,255	0.9	-	-	26	0.1	1,281	0.2
Reservoir	-	-	9,680	2.9	6,530	7.8	16,210	2.9
Total:	1,37,322	100	3,34,294	100	83,382	100	5,54,998	100

(ii)

60874

5.a) Catchment : Main Kanhar flowing through the State of U.P., M.P and Bihar.

b) State wise distribution of sub-catchment, watershed, and sub-watersheds.

Category.	U.P	M.P	Bihar	Total of Kanhar.
Sub-catchments	3	7	3	13
Watersheds	9	20	7	36
Sub-watersheds	46	122	28	196

6. Categorization of sub-watersheds:

Cate- gory.	Silt yield index range.	U.P.			M.P			Bihar			Total		
		No. of sub- wat- er she- ds.	Area in ha.	%	No. of sub- water sheds.	Area in ha.	%	No. of sub- water sheds	Area in ha.	%	No. of sub- water sheds	Area in ha.	%
Very high	Above 1500	4	12544	9.1	25	66555	19.9	17	47873	57.4	46	126972	22.9
High	1401- 1500	4	8449	6.2	26	67629	20.2	2	7169	8.7	32	83247	15.0
Med- ium	1301- 1400	11	34842	25.4	28	76955	23.1	2	5632	6.7	41	117429	21.2
Low	1201- 1300	22	68485	49.8	33	85314	25.5	7	16178	19.4	62	169977	30.6
Very low	Below 1201 1200	5	13002	9.5	10	28161	8.4	-	-	-	15	41163	7.4
Total:-		46	137322	100	122	328614	97.1	28	78852	92.2	196	538788	97.0
Reservoir:		-				327614 9680	2.9		76852 6530	7.8		16210	2.9
Grand total:			137322	100		338294	100		83382	100		5,54,998	100