

REPORT ON PRIORITISATION OF MICRO-WATERSHEDS IN 2A7D SUB-CATCHMENT (NON RVP/FPR) OF MIDDLE GANGA BASIN (RIGHT BANK) ALLAHABAD, BANDA AND MIRZAPUR DISTRICTS OF U.P. AND REWA, SIDHI, DISTRICT OF M.P.

ABSTRACT

1. **Survey area** : 2A7D sub-catchment under Ganga Basin, Right bank, Allahabad, Banda, Mirzapur of U.P. and Rewa, Sidhi district of M.P.
2. **Total area mapped** : 8,23,714 ha
3. **Geographical Locations** : 2A7D sub-catchment under Ganga Basin, lies between parallels of $24^{\circ}30'$ to $25^{\circ}19'$ N latitude and meridians of $81^{\circ}14'$ to $83^{\circ}15'$ E longitudes
4. **Agro Climatic Region** : Middle Gangetic plain (iv)
5. **Type of Survey** : Rapid Reconnaissance survey for demarcation of priority micro- watersheds.
6. **Period of Survey** : December'1999 to June ' 2000
7. **Base map used** : Survey of India topographical maps (1:50,000 scale)
8. **Hydrological Division** : Catchment : 2A7
Sub-catchment : 2A7D
Watersheds : 9
Micro-watershed : 918

9. Extent of area under different Runoff Potential Mapping Units

Sl.No.	EIMU	Runoff Potential	Area in ha.	Area(%)
1.	A01	70	285	0.03
2.	A02	57	18550	2.25
3.	A04	59	1166	0.14
4.	A06	75	600	0.07
5.	A07	67	232	0.03
6.	A08	65	14290	1.73
7.	A09	58	4302	0.52
8.	A10	61	2413	0.29
9.	A11	57	61160	7.42
10.	A12	62	1462	0.18
11.	A13	62	1037	0.13
12.	A14	54	57376	7.00
13.	C01	94	4553	0.55
14.	C02	80	18878	2.29
15.	C03	70	999	0.12
16.	C04	82	144	0.02
17.	C05	56	20932	2.54
18.	C06	72	3267	0.40
19.	C07	61	2525	0.31
20.	C08	69	18715	2.27
21.	C09	60	10582	1.28
22.	C10	70	44630	5.42
23.	C11	72	5710	0.69
24.	C12	71	10482	1.27
25.	C13	79	7879	0.96
26.	C14	63	19072	2.32
27.	C15	57	4259	0.52
28.	C16	55	14864	1.80
29.	C17	55	52820	6.41
30.	C18	64	1410	0.17
31.	Q01	95	391	0.05
32.	Q02	80	6217	0.75
33.	Q03	70	4302	0.52
34.	Q04	82	8354	1.01
35.	Q05	56	560	0.07
36.	Q06	73	9926	1.21
37.	Q07	62	53014	6.44
38.	Q08	67	17810	2.16
39.	Q09	61	7690	0.93
40.	Q10	69	17171	2.08
41.	Q11	72	4113	0.50
42.	Q12	71	27873	3.38
43.	Q13	78	3145	0.38
44.	Q14	63	48496	5.89
45.	Q15	57	6074	0.74
46.	Q16	54	42670	5.18
47.	Q17	55	136919	16.62
48.	Q18	67	9150	1.11
49.	HA(Habitation)		1980	0.24
50.	RE(Reservoir)		3084	0.37
51.	RI(River)		8371	1.02
52.	W(Water body)		1810	0.22
	Grand Total		823714	100.00

10. Priority Categorization :

Sl.No.	Priority Category	No. of Micro watersheds	Area in ha.	Area %
1.	Very High (above 70)	77	60195	7.31
2.	High (66-70)	191	158760	19.27
3.	Medium (61-65)	214	180379	21.90
4.	Low (56-60)	309	297133	36.07
5.	Very Low (Below 56)	127	127247	15.45
	Grand Total	918	823714	100

11. State And Districtwise Area under Priority Categories.

Sl. No.	Priority Category	U.P				M.P			Grand Total Area(ha)	Area (%)
		Allahabad	Banda	Mirzapur	Sub Total	Rewa	Sidhi	Sub Total		
1.	Very High (above 70)	4036	-	11984	16020	27608	16567	44175	60195	7.31
2.	High (66-70)	14270	5188	44088	63546	81049	14165	95214	158760	19.27
3.	Medium (61-65)	32660	11997	89946	134603	40085	5691	45776	180379	21.90
4.	Low (56-60)	138803	1103	62313	202219	94914	-	94914	297133	36.07
5.	Very Low (Below 56)	31962		73184	105146	22101	-	22101	127247	15.45
	Grand Total	221731	18288	281515	521534	265757	36423	302180	823714	100