

(i)

REPORT ON PRIORITISATION OF SUB-WATERSHEDS OF PART OF 2A3
CATCHMENT (UPPER DWARAKA RIVER FFR) IN LOWER GANGA BASIN,
DISTT.DUMKA (S.P) OF BIHAR AND BIRBHUM AND MURSHIDABAD DISTRICTS
OF WEST BENGAL.

ABSTRACT

1. Survey area:- Part of 2A3 catchment (upper Dwaraka river) of lower Ganga basin, Distt.Dumka (Bihar) and Birbhum and Murshidabad districts of West Bengal.
2. Total area surveyed and mapped :- 3,89,006 ha.
3. Location:- 23° 45' to 24° 29' N latitude.
87° 15' to 88° 15' E longitude.
4. Agroclimatic Zone:- Zone no. 3 & 7 (lower Gangetic plain and Eastern plateau & hills as per National planning commission classification)
5. Kind of Survey:- Rapid Reconnaissance Survey.
6. Period of Survey:- April to June 1994
7. Base materials Used:- Survey of India topographic map on 1:50,000 scale.
8. Extent of area under different run off potential mapping units.

MAPPING UNITS	AREA IN HA.			STATEWISE PERCENTAGE		PERCENTAGE OVER WHOLE AREA
	BIHAR	WEST BENGAL	TOTAL	BIHAR	WEST BENGAL	
A1	1468	12550	14018	1.11	4.88	3.61
A2	-	4246	4246	-	1.65	1.09
A3	-	11683	11683	-	4.55	3.01
A4	-	127220	127220	-	49.48	32.70
A5	82	50089	50171	0.06	19.48	12.89
A6	-	3491	3491	-	1.36	0.90
B1	12773	9391	22164	9.68	3.65	5.69
B2	20762	17779	38541	15.75	6.92	9.91
B3	6473	452	6925	4.91	0.18	1.70
B4	2182	2055	4237	1.65	0.80	1.09
B5	88	1196	1284	0.06	0.47	0.33
B6	1717	-	1717	1.30	-	0.44
B7	276	-	276	0.21	-	0.07
B8	2980	-	2980	2.26	-	0.77
B9	2385	-	2385	1.81	-	0.61
B10	4740	522	5262	3.59	0.20	1.35
B11	903	150	1053	0.60	0.06	0.27
N1	8691	-	8691	6.59	-	2.23
N2	2391	-	2391	1.81	-	0.62
N4	435	-	435	0.33	-	0.11
N6	90	-	90	0.07	-	0.03
N7	6927	58	6985	5.25	0.02	1.79
N8	1667	1375	3042	1.26	0.53	0.70
N9	4980	-	4980	3.78	-	1.28
N10	14325	2055	17180	10.06	1.10	4.41
N17	15321	5037	20358	11.62	1.96	5.24
N19	10433	3289	21722	13.97	1.28	5.59
MISC	1014	3665	5479	1.38	1.43	1.41
Total	1,31,903	2,57,103	3,89,006	100.00	100.00	100.00

9.

PRIORITY CATEGORIES OF 2A3D SUB-CATCHMENT
(UPPER DUMKA RIVER-FPR)

Sl.No.	CATEGORY	RANGE	NOS OF S/W	AREA IN (HA)	(%)
1.	Very High	> 70	5	19,036	4.89
2.	High	65-69	4	17,672	4.54
3.	Medium	60-64	14	47,301	12.16
4.	Low	55-59	42	1,53,963	39.58
5.	Very low	< 55	34	1,51,034	38.83
Total			99	3,89,006	100

9a.

Priority Categories of 2A3D Sub-Catchment, Bihar

Sl.No.	CATEGORY	RANGE	NOS OF S/W	AREA IN (HA)	(%)
1.	Very High	> 70	5	19,036	14.43
2.	High	65-69	7	22,994	17.43
3.	Medium	60-64	13	39,887	30.24
4.	Low	55-59	18	49,976	37.89
5.	Very low	< 55	1	10	0.01
Total			44	1,31,903	100

9b.

Priority Categories of 2A3D Sub-Catchment, West-Bengal

Sl.No.	CATEGORY	RANGE	NOS OF S/W	AREA IN (HA)	(%)
1.	Low	55-59	36	1,89,093	42.43
2.	Very low	< 55	35	1,46,010	57.57
Total			71	2,57,103	100

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10. STATE AND DISTRICTWISE EXTENT OF PRIORITY AREA IN
2A3D SUB-CATCHMENT

CATEGORY & RANGE	WEST BENGAL				BIHAR		OVER ALL	
	MURSHIDABAD NOS OF S/W & %	BIRBHUM NOS OF S/W & %	TOTAL NOS OF S/W & %	(SANTAL PARGANAS) NOS OF S/W AREA & (%)	DUMKA NOS OF S/W AREA & (%)	OF 2A3D NOS OF AREA & %		
Very High > 70	-	-	-	5	19036 (4.89%)	5 (4.89%)	19036	
High 65-69	-	-	-	7	22994 (5.91%)	4 (4.54%)	17672	
Medium 60-64	1	53 (0.01%)	-	13	39887 (10.25%)	14 (12.16%)	47301	
Low 55-58	8	18459 (4.75%)	32 (22.52%)	18 (28.04%)	49976 (12.85%)	42 (39.58%)	153963	
Very Low < 55	25	91854 (23.61%)	21 (15.20%)	1 (38.05%)	10 (0.01%)	34 (38.83%)	151034	
Total	34	110336 (28.37%)	53 (37.72%)	44 (66.09%)	131903 (33.91%)	99 (100)	389006	