

# Report on Reprioritization of Subwatersheds in 4G2D, (Hasdo) Subcatchment of Mahanadi Basin (Hirakud RVP Catchment); District - Bilaspur, Shabdol & Surguja (Madhya Pradesh)

## ABSTRACT

- **Survey Area:** 4G2D (Hasdo) Subcatchment
- **Location:** 21° 43" to 23° 36" North Latitude  
82° 03" to 83° 02" East Longitude
- **Total Area:** 9,93,922 ha
- **Priority of survey:** November, 1994 to July, 95
- **Type of survey:** Rapid Reconnaissance Survey
- **Base Material:** Survey of India Topographic maps on 1:50,000 scale
- **Hydrological Division**
  - ✓ **Catchment:** 4G2 (Mahanadi Basin)
  - ✓ **Subcatchment:** 4G2D
  - ✓ **Watersheds:** 8
  - ✓ **Subwatershed:** 258
- **Priority Categorization of Subwatershed:**

S. No.	Priority Category	Sediment Yield Index Range	No. of Subwatersheds	Area (ha)	% of Total Area
1.	Very High	1300 & above	66	2,50,177	25.6
2.	High	1200- 1299	51	1,92,179	19.7
3.	Medium	1100- 1199	86	3,23,309	33.1
4.	Low	1000- 1099	27	1,02,950	10.6
5.	Very Low	<1000	28	1,08,100	11.0
<b>Total</b>			<b>258</b>	<b>9,76,715</b>	<b>100.0</b>

➤ **Extent of areas under different Erosion Intensity Mapping Units (EIMU):**

<b>S. No.</b>	<b>EIMU</b>	<b>Area (ha)</b>	<b>% of Total</b>
1.	A1	4,399	0.44
2.	A2	13,439	1.35
3.	A3	22,413	2.26
4.	A4	8,199	0.82
5.	B1	2,075	0.21
6.	B2	1,858	0.19
7.	C1	8,291	0.83
8.	C2	59,438	6.00
9.	C3	24,538	2.47
10.	C4	1,475	0.15
11.	G1	9,135	0.92
12.	G2	23,976	2.41
13.	G3	4,762	0.48
14.	G4	18,266	1.84
15.	G5	7,974	0.80
16.	G6	8,984	0.90
17.	L1	6,210	0.62
18.	S1	19,164	1.92
19.	S2	96,217	9.68
20.	S3	1,75,064	17.61
21.	S4	1,03,445	10.40
22.	S5	15,366	1.55
23.	S6	1,70,704	17.17
24.	S7	1,04,195	10.48
25.	S8	34,229	3.44
26.	S9	32,899	3.31
27.	Habitation, River, Tank, etc.	17,207	1.73
<b>Total</b>		<b>9,93,922</b>	<b>100.00</b>