

**Report on Prioritization of Microwatersheds of 5B1C and 5B1D Subcatchments under Western Ghats Basin in Sindhudurg, Kolhapur Districts of Maharashtra, North and South Goa Districts of Goa and Belgaum, Uttar Kannada Districts of Karnataka.**

**ABSTRACT**

1. Survey Area : 5B1C and 5B1D Subcatchments under Western Ghats Basin
2. Location : 14<sup>0</sup>50' to 16<sup>0</sup>30' N and  
73<sup>0</sup>15' to 74<sup>0</sup>30' E
3. Total Area : 8,52,235 ha.
4. (a) Period of Survey : Nov.2007 to feb.2008  
(b) Type of Survey : Rapid Reconnaissance Survey
5. Base material : Survey of India Topographic maps on 1:50,000 scale
6. Agro-climatic Region : XII west coast plains and western ghat Region
7. Total no. of micro watersheds : 804
8. Hydrological Divisions :  
(a) Water Resource Region : 5  
(b) Basin : 5B  
(c) Catchment : 5B1  
(d) Subcatchment : 5B1C and 5B1D

**9. Priority Categorization of microwatershed: -**

Sr. No.	Priority Category	No. of Microwatersheds	Area (ha)	Percentage
1	Very High(above 75)	84	88179	10.35
2	High(71-75)	160	167868	19.70
3	Medium(66-70)	350	377290	44.27
4	Low(61-65)	158	166688	19.56
5	Very low(60 & below)	52	52210	6.13
	<b>Total</b>	804	852235	100

### 13. SALIENT FEATURES

- Delineation and codification is done up to micro-watershed level in order to have viable size of the treatment area.
- Out of the total 804 micro-watersheds, 244 micro-watersheds fall under very high and high category.
- 84 micro-watersheds falls under very high priority with 88,179 ha (10.35%) area and 160 micro-watersheds with 1,67,868 (19.7%) comes under high priority which needs immediate attention for proper soil and water conservation.
- About 22,870(2.68%) area suffers from severe soil erosion and 99,737(11.7%) area from moderate to severe erosion hazards.
- Steep to very steep slopes occupies nearly 32% of the total surveyed area.
- Shallow to moderately deep soils covers maximum area (49%) whereas deep to very deep soils occupies (22.34%) of the surveyed area.
- Agricultural practices are confined to 27% area whereas 58.81% area is under forest out of the total surveyed area.