

REPORT ON THE DEMARCATION OF PRIORITY SUBWATERSHEDS  
 IN SAHIBI RIVER CATCHMENT (DHANSA BANDH TO MASANI  
 BARRA E), HARYANA, RAJASTHAN AND DELHI UNION TERRITORY  
 (Based on Runoff Potential Index).

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 A B S T R A C T

1. Survey Area : Dhansa Bandh catchment (Sahibi River), Mahendragarh, Rohtak and Gurgaon districts; Haryana; Alwar district, Rajasthan; and Delhi Union Territory.
2. Location : 76°15' to 77°10' E Longitude & 28° to 29° N Latitudes.
3. Total Area : 2,51,230 hectares
4. Period of Survey : May, 1979 to April, 1980
5. Type of Survey : Rapid Reconnaissance survey for priority delineation.
6. Base Material : Survey of India topographical maps in the scale of 1:50,000.
7. Runoff Potential Mapping Units and their extent.

Sl. No.	Mapping Units	Area in ha.	Percentage
1.	A	2487	1.0
2.	C	4144	1.6
3.	D	705	0.3
4.	E	95694	38.0
5.	E1	1250	0.5
6.	F	5726	2.3
7.	G	8762	3.5
8.	H	1175	0.5
9.	J	200	0.1
10.	K	26875	10.7
11.	L	10238	4.7
12.	M	400	0.2
13.	N	9305	3.8
14.	P	2688	1.1
15.	R	67537	26.9
16.	S	10519	4.1
17.	T	3225	1.3
	Tank	100	0.03
TOTAL		2,51,230	100.0

(ii)

REPO  
DFLogic divisions:

Catchment	-	Dhansa Bandh to Masani Barrage (Sahibi River)
(b) Sub-catchment	-	2 (Md & Mf)
(c) Watersheds	-	8
(d) Sub-watersheds	-	123.

## 9. State-wise priority classification.

Priority category	Runoff Potential Index	Haryana		Rajasthan		Delhi	
		No. of sub-watersheds.	Area in ha. (%)	No. of subwatersheds.	Area in ha. %	No. of subwatersheds	Area in ha. %
Very high	50 and above	4	6125 (2.6)	7	7500 (46.3)	-	-
High	45-49	5	11150 (4. )	1	2725 (16.8)	-	-
Medium	40-44	2	4975 (2.1)	2	3050 (18.8)	-	-
Low	below 40	211	211980 (90.5)	1	2925 (18.1)	1	800 (100.0)
Very Low	30-39	100	-	-	-	-	-
	below 30	-	-	-	-	-	-
		111	234230 (100.0)	11	16200 (100.0)	1	800 (100.0)

10. Salient features :

1. Of the total Dhansa Bandh catchment upto Masani Barrage (Sahibi river) area of 2,51,230ha. major part lies in Haryana (93.2%) and remaining (6.5%) in Rajasthan and (0.3%) in Delhi Union Territory.
2. About 10.9% of the total catchment area has been assessed as very high and high priority area.
3. Most of the very high and high priority areas appear to have the concentration **in** Sd subcatchment.

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