

REPORT ON DETAILED SOIL SURVEY AND LAND
USE OF Ga4f, Ga5h, Ga6a, Ga6b, Ga6c, Ga6d
AND Ga6j SUBWATERSHEDS OF GOPAD CATCHMENT
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DISTRICT SIDHI, MADHYA PRADESH

A B S T R A C T

1. Surveyed area: Ga4f, Ga5h, Ga6a, Ga6b, Ga6c, Ga6d and Ga6j Sub-watersheds of Gopad catchment, P.S. Kusmi and Majhauri, District Sidhi in Madhya Pradesh.
2. i) Agro-climatic zone: 8 (Central Plateau & Hills).
ii) Location: $23^{\circ} 58'$ to $24^{\circ} 13'$ N. Lat. and $81^{\circ} 42'$ to $81^{\circ} 59'$ E. Long.
3. Total area surveyed: 16,000 ha.
4. Type of survey: Detailed.
5. Period of survey: January, 1992 to June, 1992.

6. Soil series mapped and their extent (Subwatershed-wise):

Sl. No.	Name of soil series and their symbol	No. of mapping units	Total area (ha.)	%	Sub-watersheds (area in ha.)						
					Ga4f	Ga5h	Ga6a	Ga6b	Ga6c	Ga6d	Ga6j
1	2	3	4	5	6	7	8	9	10	11	12
1.	Amwatikar (AT)	3	3417	21.3	561 (16.0)	332 (9.8)	480 (24.2)	227 (15.8)	83 (7.8)	1301 (42.3)	433 (28.3)
2.	Banpur (B)	3	1242	7.7	449 (12.7)	270 (8.0)	152 (7.7)	119 (8.3)	36 (3.4)	151 (4.9)	65 (4.2)
3.	Kharwar (KH)	4	1555	11.6	275 (7.8)	507 (14.9)	231 (11.6)	186 (12.9)	138 (13.0)	286 (9.3)	232 (15.2)
4.	Kinamar (KM)	3	1985	12.4	1001 (28.4)	505 (14.9)	81 (4.1)	-	100 (9.4)	298 (9.9)	-
5.	Latehar (L)	5	1225	7.7	166 (4.7)	187 (5.5)	327 (16.5)	172 (12.0)	172 (16.2)	179 (5.9)	3 (0.2)
6.	Medra (M)	5	975	6.1	-	56 (1.6)	164 (8.3)	274 (19.0)	72 (5.8)	130 (4.2)	279 (18.2)
7.	Pauri (P)	5	2484	15.5	452 (12.9)	752 (22.2)	287 (14.4)	307 (21.3)	215 (20.3)	298 (9.9)	173 (11.3)
8.	Salodih (SD)	4	1296	8.1	365 (10.7)	490 (14.4)	40 (2.0)	52 (3.6)	51 (4.8)	239 (7.9)	59 (3.9)
9.	Tansar (T)	2	660	4.2	118 (3.2)	52 (1.5)	41 (2.1)	74 (5.1)	105 (9.9)	74 (2.4)	196 (12.8)

7. Subwatershed-wise land capability class:

Sl.No.	Land capability class	Total area in ha.	%	Sub-watersheds (area in ha.)						
				Ga4f	Ga5h	Ga6a	Ga6b	Ga6c	Ga6d	Ga6j
1.	II	4510	28.2	1044	1109	724	423	261	687	262
2.	III	2147	15.0	256	377	247	338	137	268	524
3.	IV	1856	10.0	574	377	95	276	153	180	201
4.	VI	3209	20.1	952	956	257	147	338	539	20
5.	VII	3417	21.3	561	332	480	227	83	1301	433
Total:		15,139	94.6	3387	3151	1803	1411	972	2975	1440
	Misc. land	861	5.4	128	243	182	28	89	101	90
Grand total:		16,000	100	3515	3394	1985	1439	1061	3076	1530