

Table 40: District - wise distribution of Wastelands

MANIPUR

Category	Bishnupur	Chandel	Churachandpur	East Imphal	Senapati	Tamang-long	Thoubal	Ukhrul	West Imphal	Total
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.41	289.78	1556.29	3.55	249.33	935.07	8.88	667.57	7.99	3718.87
4	1.43	108.69	279.58	3.28	266.38	9.35	14.02	214.59	3.22	900.54
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	456.34	159.32	0.11	11.19	23.89	1.49	99.06	0.70	752.10
10	0.00	5.04	0.00	0.00	18.62	75.51	0.00	0.00	0.93	100.10
11	11.57	157.26	322.74	69.93	602.44	316.73	27.27	26.99	20.93	1555.86
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	13.41	1017.11	2317.93	76.87	1147.96	1360.55	51.66	1008.21	33.77	7027.47
TGA	496	3313	4570	709	3271	4391	514	4544	519	22327
% to TGA	2.70	30.70	50.72	10.84	35.10	30.98	10.05	22.19	6.51	31.48

Table 42: District - wise distribution of Wastelands

MEGHALAYA

Category	East Garo Hills	East Khasi	Jaintia Hills	Ribhoi	South Garo Hills	West Garo Hills	West Khasi Hills	Total
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	9.56	6.58	0.00	139.68	36.06	11.66	250.89	454.43
4	223.81	199.61	898.37	273.99	8.46	372.22	663.64	2640.10
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	39.90	0.00	10.52	9.67	76.35	123.38	32.05	291.87
10	77.23	0.00	0.09	0.00	52.06	13.52	14.22	157.12
11	13.90	2.69	27.86	6.27	14.09	2.30	0.00	67.11
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.02	179.23	31.48	0.00	0.08	0.00	44.32	255.13
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	364.42	388.11	968.32	429.61	187.10	523.08	1005.12	3865.76
TGA	2603	2748	3819	2448	1850	3714	5247	22429
% to TGA	14.00	14.12	25.36	17.55	10.11	14.08	19.16	17.24

- | | | | | |
|--|--|--|----------------------------------|--------------------------------|
| 1. Gullied and/ or ravinous land (Medium) | 6. Waterlogged and Marshy land (Seasonal) | 11. Under-utilised/degraded forest (Scrub domin) | 16. Sands-Coastal | 21. Industrial wastelands |
| 2. Gullied and/ or ravinous land (Deep) | 7. Land affected by salinity/alkalinity (Medium) | 12. Under-utilised/degraded forest (Agriculture) | 17. Sands-Desertic | 22. Barren Rocky/Stony waste |
| 3. Land with Dense Scrub | 8. Land affected by salinity/alkalinity (Strong) | 13. Degraded pastures/ grazing land | 18. Sands-Semi Stab.-Stab>40m | 23. Snow covered /Glacial area |
| 4. Land with Open Scrub | 9. Shifting Cultivation - Current Jhum | 14. Degraded land under plantation crop | 19. Sands-Semi Stab.-Stab 15-40m | Total - Total Wasteland Area |
| 5. Waterlogged and Marshy land (Permanent) | 10. Shifting Cultivation - Abandoned Jhum | 15. Sands-Riverine | 20. Mining Wastelands | TGA - Total Geographical Area |

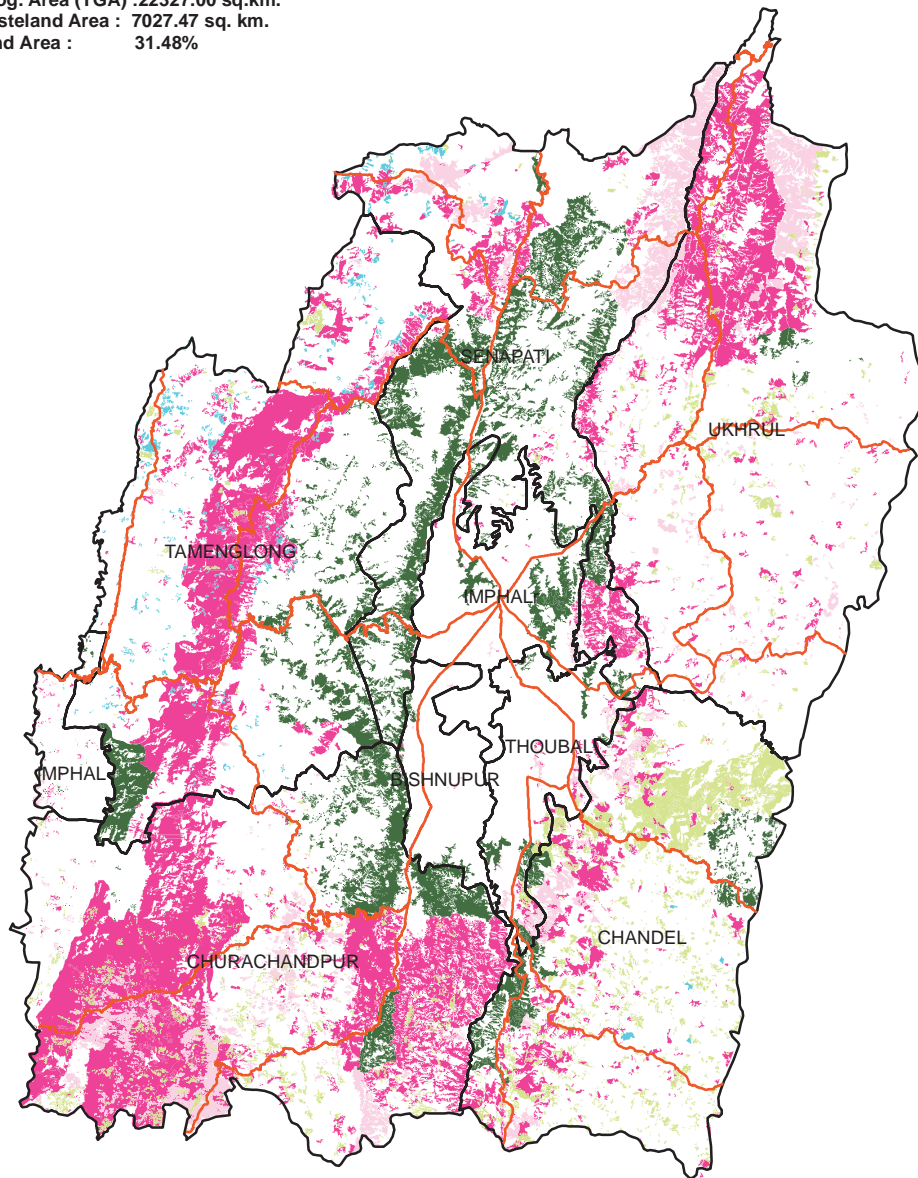
Total Geog. Area (TGA) :22327.00 sq.km.
 Total Wasteland Area : 7027.47 sq. km.
 Wasteland Area : 31.48%

Figure. 34

WASTELAND MAP

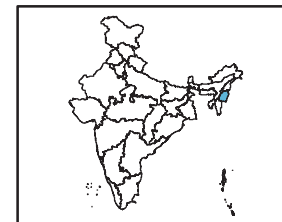
2005-06

MANIPUR

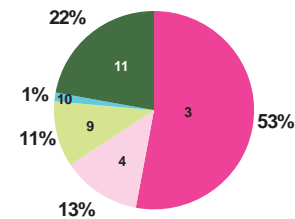


LEGEND

- Gullied/ Ravine land-Medium ravine (1)
- Gullied/Ravine land-Deep/ very deep ravine (2)
- Scrubland - Land with dense scrub (3)
- Scrubland - Land with open scrub (4)
- Waterlogged and marshy land - Permanent (5)
- Waterlogged and marshy land - Seasonal (6)
- Land Affected by Salinity/ Alkalinity - Moderate (7)
- Land Affected by Salinity/ Alkalinity - Strong (8)
- Shifting cultivation - Current jhum (9)
- Shifting cultivation - Abandoned jhum (10)
- Under-utilised Deg Notif Forest - Scrub Dom (11)
- Under- utilised Deg Notif Forest - Agriculture (12)
- Degraded Pastures/ grazing land (13)
- Degraded Land under Plantation Crop (14)
- Sands - Desert sand (15)
- Sands - Coastal sand (16)
- Sands - Riverine (17)
- Sands - Semi-stab to stab (>40m) dune (18)
- Sands-Semi-stab to stab mod high(15-40m) dune (19)
- Mining Wastelands (20)
- Industrial Wastelands (21)
- Barren rocky area (22)
- Snow cover and/ or glacial area (23)
- Non Wasteland Area
- Major Road
- Railway Line



Based on 3 season data of IRS P6
 LISS III (2005-06) & Limited ground checks



Partner Institution:

Manipur Remote Sensing Application Centre
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 Imphal- 795001
 Manipur

Coordinated by:

Land Use Division, LRG, RS & GIS - AA
 National Remote Sensing Centre
 ISRO, Dept. of Space, Govt of India,
 Balanagar,
 Hyderabad - 500625

Table 41: Manipur - Category-wise distribution and changes in wastelands

Area in sq.km.

SI	Wasteland Categories	2005-06	%	2003	%	Change	% diff
1	Land with Dense Scrub	3718.87	16.66	8072.81	36.16	-4353.94	-19.50
2	Land with Open Scrub	900.54	4.03	0.00	0.00	900.54	4.03
3	Waterlogged and Marshy land-Permanent	0.00	0.00	194.76	0.87	-194.76	-0.87
4	Waterlogged and Marshy land-Seasonal	0.00	0.00	90.49	0.41	-90.49	-0.41
5	Shifting cultivation area-Current Jhum	752.10	3.37	1119.54	5.01	-367.44	-1.65
6	Shifting cultivation area-Abandoned Jhum	100.10	0.45	3697.14	16.56	-3597.04	-16.11
7	Under utilised/degraded notified forest land-Scrub dominated	1555.86	6.97	0.00	0.00	1555.86	6.97
	Total	7027.47	31.48	13174.74	59.01	-6147.27	-27.53
	TGA	22327.00					

Table 43: Meghalaya - Category-wise distribution and changes in wastelands

Area in sq.km.

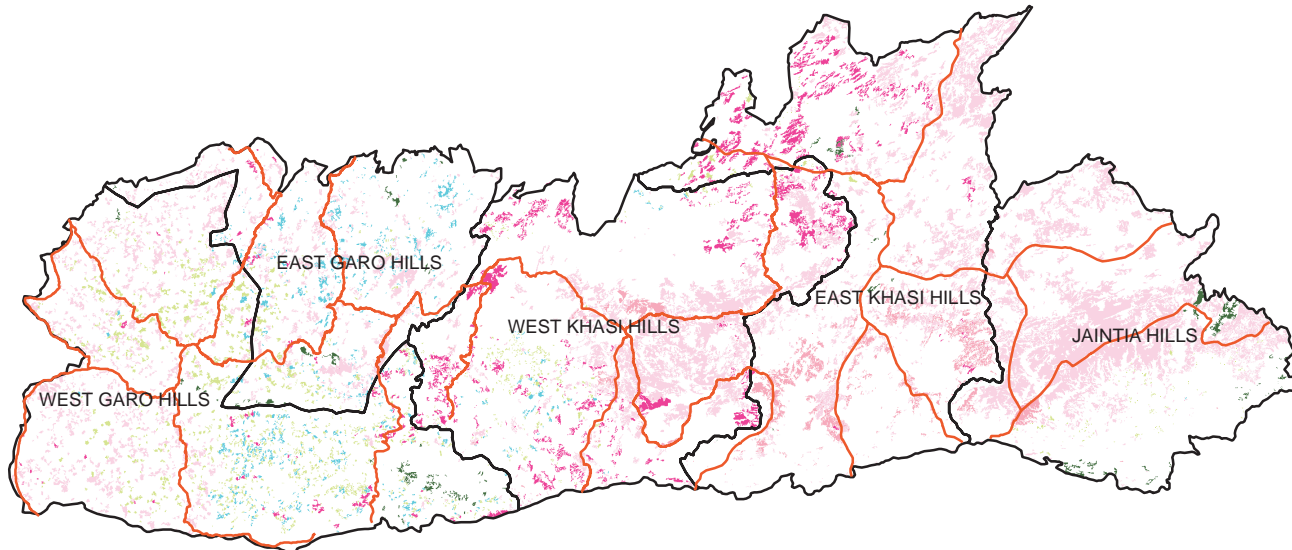
SI	Wasteland Categories	2005-06	%	2003	%	Change	% diff
1	Land with Dense Scrub	454.43	2.03	1010.35	4.50	-555.92	-2.48
2	Land with Open Scrub	2640.10	11.77	1584.11	7.06	1055.99	4.71
3	Waterlogged and Marshy land-Permanent	0.00	0.00	11.52	0.05	-11.52	-0.05
4	Waterlogged and Marshy land-Seasonal	0.00	0.00	4.18	0.02	-4.18	-0.02
5	Shifting cultivation area-Current Jhum	291.87	1.30	627.21	2.80	-335.34	-1.50
6	Shifting cultivation area-Abandoned Jhum	157.12	0.70	116.62	0.52	40.50	0.18
7	Under utilised/degraded notified forest land-Scrub dominated	67.11	0.30	0.00	0.00	67.11	0.30
8	Sands-Riverine	0.00	0.00	0.04	0.00	-0.04	0.00
9	Mining wastelands	0.00	0.00	2.15	0.01	-2.15	-0.01
10	Barren rocky area	255.13	1.14	55.23	0.25	199.90	0.89
	Total	3865.76	17.24	3411.41	15.21	454.35	2.03
	TGA	22429.00					

Figure. 35

WASTELAND MAP

2005-06

MEGHALAYA

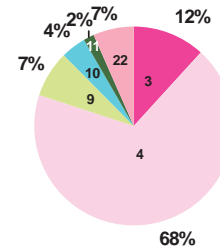


LEGEND

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- Railway Line



Based on 3 season data of IRS P6
LISS III (2005-06) & Limited ground checks



Total Geog. Area (TGA) :22429.00 sq.km.
Total Wasteland Area : 3865.76 sq. km.
Wasteland Area : 17.24 %

Partner Institution:

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Coordinated by:

Land Use Division, LRG, RS & GIS - AA
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