

Table 64: District - wise distribution of Wastelands

WEST BENGAL

Category	Bankura	Barddhaman	Birbhum	Darjiling	Howrah	Hugli	Jalpaiguri	Kolkata	Kochbihar	Maldah	Medinipur	Murshidabad	Nadia	North 24 Parganas	Puruliya	South 24 Parganas	West Dinajpur	Total
1	4.07	0.26	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.78	0.00	0.00	0.00	7.84	0.00	0.00	20.56
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.58
3	91.07	87.43	25.66	2.45	0.00	0.00	2.93	0.00	0.00	0.00	9.75	0.00	0.00	0.00	278.39	0.00	0.00	497.68
4	212.75	75.25	76.81	5.77	0.00	0.00	12.98	0.00	0.10	0.00	253.66	0.00	0.00	0.00	165.14	0.00	0.00	802.46
5	0.00	0.00	0.17	0.66	0.47	10.22	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.55
6	0.00	0.00	0.00	0.00	0.00	7.05	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.37
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	203.64	20.34	39.99	19.42	0.00	0.00	23.32	0.00	0.15	0.00	110.70	1.57	0.25	0.21	114.29	0.98	0.00	534.85
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40
15	3.03	0.43	2.41	0.00	0.00	0.00	1.35	0.00	0.12	2.55	2.26	3.88	0.00	0.00	0.00	0.00	0.06	16.10
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.00	0.77	0.00	3.73	0.00	7.94
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.59	22.01	0.70	0.00	0.00	1.38	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.02	0.00	0.00	25.09
21	2.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72
22	15.67	0.25	1.12	4.27	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.00	0.00	0.00	38.88	0.00	0.00	64.12
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>533.55</b>	<b>205.98</b>	<b>147.47</b>	<b>34.97</b>	<b>0.47</b>	<b>18.64</b>	<b>41.93</b>	<b>0.00</b>	<b>0.37</b>	<b>2.55</b>	<b>392.48</b>	<b>5.45</b>	<b>0.25</b>	<b>0.98</b>	<b>604.55</b>	<b>4.71</b>	<b>0.06</b>	<b>1994.41</b>
TGA	6882.00	7024.00	4545.00	3149.00	1467.00	3149.00	6227.00	104.00	3387.00	3733.00	14081.00	5324.00	3927.00	3978.00	6259.00	10158.00	5358.00	88752.00
% to TGA	7.75	2.93	3.24	1.11	0.03	0.59	0.67	0.00	0.01	0.07	2.79	0.10	0.01	0.02	9.66	0.05	0.00	2.25

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

# WASTELAND MAP

## 2005-06

### WEST BENGAL



#### 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:

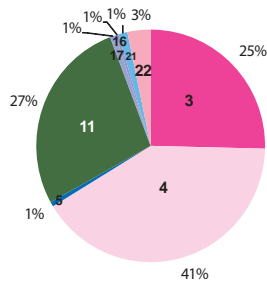
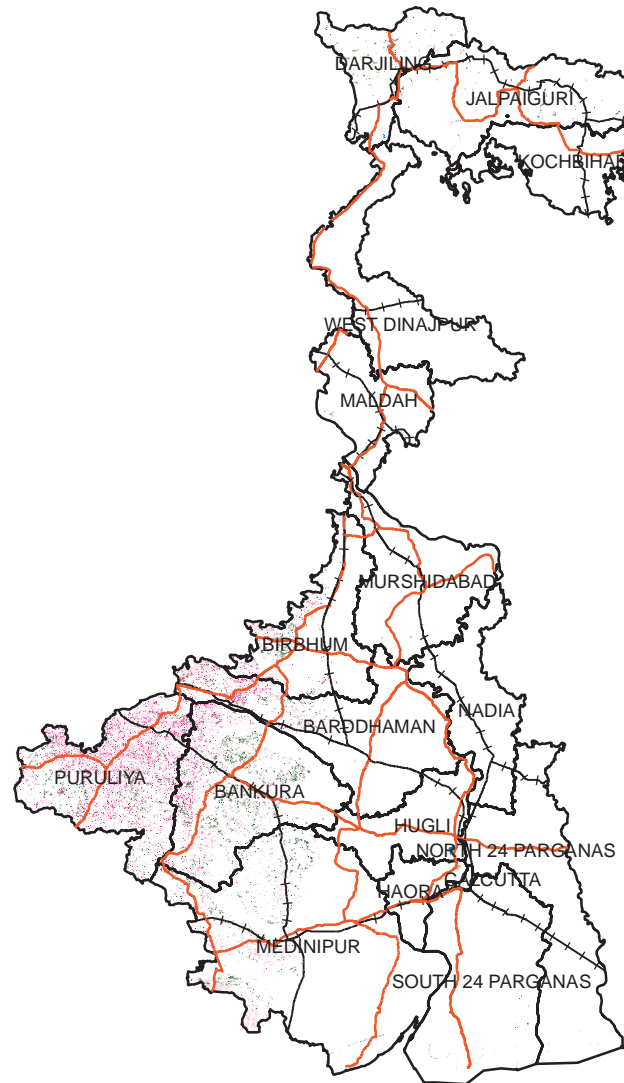
State Remote Sensing Cell,  
S&T and NES Department, Govt. of W.B  
Bikas Bhavan, 4th Floor  
Eastern Block, Bidhan Nagar  
KOLKATA - 700 091

#### Coordinated by:

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

Figure. 46

Total Geog. Area (TGA) :88752.00 sq.km.  
Total Wasteland Area : 1994.41 sq. km.  
Wasteland Area : 2.25 %



**Table 65: West Bengal - Category-wise distribution and changes in wastelands**

Area in sq.km.

SI	Wasteland Categories	2005-06	%	2003	%	Change	% diff
1	Gullied and/or ravinous land-Medium	20.56	0.02	123.13	0.14	-102.57	-0.12
2	Gullied and/or ravinous land-Deep	0.58	0.00	0.00	0.00	0.58	0.00
3	Land with Dense Scrub	497.68	0.56	482.00	0.54	15.68	0.02
4	Land with Open Scrub	802.46	0.90	747.50	0.84	54.96	0.06
5	Waterlogged and Marshy land-Permanent	12.55	0.01	227.53	0.26	-214.98	-0.24
6	Waterlogged and Marshy land-Seasonal	7.37	0.01	1183.22	1.33	-1175.85	-1.32
7	Under utilised/degraded notified forest land-Scrub dominated	534.85	0.60	996.95	1.12	-462.10	-0.52
8	Under utilised/degraded notified forest land-Agriculture	0.00	0.00	35.58	0.04	-35.58	-0.04
9	Degraded pastures/grazing land	0.00	0.00	71.72	0.08	-71.72	-0.08
10	Degraded land under plantation Crops	2.40	0.00	33.28	0.04	-30.88	-0.03
11	Sands-Riverine	16.10	0.02	262.00	0.30	-245.90	-0.28
12	Sands-Coastal	7.94	0.01	12.39	0.01	-4.45	-0.01
13	Mining wastelands	25.09	0.03	26.51	0.03	-1.42	0.00
14	Industrial wastelands	2.72	0.00	15.83	0.02	-13.11	-0.01
15	Barren rocky area	64.12	0.07	179.92	0.20	-115.80	-0.13
	<b>Total</b>	<b>1994.41</b>	<b>2.25</b>	<b>4397.56</b>	<b>4.95</b>	<b>-2403.15</b>	<b>-2.71</b>
	TGA	88752.00					