

ABSTRACT: Report on detailed soil survey and land use of Damagoria Open Cast Project of B.C.C.L. for rehabilitation of soil under land reclamation programme Distt. Burdwan, Area XII West-Bengal.

1. Surveyed area: Damagoria o.c.p. of B.C.C.L., Area XII, Distt. Burdwan(West-Bengal).
2. Type of Survey: Detailed Soil Survey.
3. Total area surveyed and mapped: 510 hect(Damagoria 270 hect, Barisa 155 hect and 85 hect Sabanpur)
4. Period of Survey: November, 85 to January, 86.
5. Toposheet referred: 73 I/10(1:50,000)
6. Soil Series mapped and their distribution(Area in hect.)

S.No.	Soil Series	No. of units recognised	Total area	Percentage	Remark
1	Chirkunda (CK)	4	21.6	4.2	
2.	Choptoria (CT)	6	49.9	9.8	
3	Jugrat (JT)	7	182.3	35.8	
4	Kinamar (KM)	3	50.9	10.0	
5.	Salodeen (SD)	4	12.7	2.5	
	Total:	24	317.4	62.3	

6	Misc. area				
i)	Area under quarry	-	49.4	9.7	
ii)	Area under O.B.M.		38.4	7.5	
iii)	Area under open scrub		20.5	4.1	
iv)	Area under proposed quarry:		5.9	1.2	

S.No.	Soil Series	No. of units recognised	Total area	Percentage
v)	Coal dumps Rly siding		2.0	1.6
vi)	Habitation		43.1	8.5
vii)	Work shop		2.2	0.4
viii)	Waterways		14.5	2.8
ix)	Roads		10.6	2.0
Total:			192.6	37.7
Grand total:		24	510.0	100.0

Salient features:

Land capability class	Area in ha.	%
IIInd class land	164.5	32.4
IIIrd class land	102.0	19.9
IVth class land	50.9	10.0
Total:	317.4	62.3
Misc. land	192.6	37.7
Grand total:	510.0	100.0