

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF BURAGARH, KUSTORE
& MATIGARHA PROJECT OF BCCL DISTT. DHANBAD FOR REHABILITATION OF
SOIL UNDER LAND RECLAMATION PROGRAMME

ABSTRACT

1. Survey area - Buragarh Kustore & Matigarha OCP & Subsidence Project of BCCL, Distt. Dhanbad (Bihar)
2. Type of Soil Survey - High Intensity detailed Soil Survey .
3. Total project area surveyes - 575.8 Hect.
 - (1) Buragarh 150.3 hect.
 - (2) Kustore 170.6 "
 - (3) Matigarha 254.9 "
4. Period of Survey - January 86 to March 86 .
5. Soil Series mapped and area in each series .

SNo.	Soil Series	No. of mapping units.	Total area in hect.	Perc - entage
1.	Amwatikar (AT)	4	23.6	4.1
2.	Chirkunda (CK)	3	6.5	1.2
3.	Choptoria (CT)	6	7.6	1.3
4.	Damagoria (DG)	1	2.1	0.4
5.	Jugrat (JT)	13	115.4	24.0
6.	Kinamar (KM)	9	88.4	15.3
7.	Salodeeh (SD)	6	33.1	5.7
8.	Victoria (VT)	2	11.5	2.0
Total		44	288.2	50.0

SNo.	Soil Series	No. of map- ping units	Total Percen- tage in he.	
(1)	Miscellaneous area (Quary)	-	35.3	6.2
(2)	" OBM & Goaf	-	45.7	7.9
(3)	" Burnt coal	-	1.6	0.3
(4)	" Habitation	-	76.9	13.4
10.	Water ways (Stream & Nala)	-	38.2	6.6
11.	Road & Railways	-	20.2	3.5
12.	Magzine & Explosives storage	-	21.2	3.7
13.	Other Miscellaneous are	-	48.5	8.4
Total		-	287.6	50.0
GRAND Total		44	575.8	100.00

Distribution of Soil Series and are in each Series project wise

SNo.	Soil Series	Project			
		Buragarh	Kustore	Matigarh	Total
1.	Amwatikar (AT)	-	-	23.6	23.6
2.	Chirkunda (CK)	-	6.5	-	6.5
3.	Choptoria (CT)	2.0	2.8	2.8	7.6
4.	Damagoria (DG)	-	2.1	-	2.1
5.	Jugrat (JT)	92.0	23.4	-	115.4
6.	Kinamar (KM)	2.9	5.0	80.5	88.4
7.	Salodeeh (SD)	7.6	14.0	11.5	33.1
8.	Victoria (VT)	-	2.8	0.7	11.5
Total		104.5	56.6	127.1	288.2

SNo.	Soil Series	Project			
		Buragarh	Kustore	Matigarh	Total
9.	Quarry	-	8.8	26.5	35.3
10.	Goaf & OBM	6.1	6.2	33.4	45.7
11.	Buarnt Coal	-	1.6	-	1.6
12.	Habitation Road & Others	24.8	55.7	40.2	120.7
13.	Miscellaneous	10.7	32.1	3.3	46.1
14.	Water ways	4.2	9.6	24.4	38.2
Total		45.8	14.0	127.8	287.6
Grand Total		150.3	170.6	254.9	575.8

7 Distribution of Area into Land capability classes

SNo.	Land capability class	Area	Soil Series
1.	II	29.1	Jugrat, Victoria
2.	III	145.0	Jugrat, Victoria Choptoria, Salo- deeh
3.	IV	55.1	Danagoria, Kinamar
4.	IV	59.0	Amwatikar, Kinamar
Total		288.2	

8 Specific problems of the area

SNo.	Problems	Area (%)
1.	Stony and rocky area	4.1
2.	Shallow to very shallow soils	19.7
3.	Severly eroded soils	6.9
4.	O.B.M. and goaf	6.2